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THE  
BERGER  
Manufacturing  
Company...  
CINCINNATI, OHIO.  
U.S.A.



THIS CATALOGUE SUPERSEDES  
ALL OTHERS



THE  
BERGER  
MANUFACTURING  
COMPANY  
CANTON, OHIO  
U.S.A.

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THE BERGER MANUFACTURING CO.  
CANTON, OHIO

The Brennan Binding, Patent applied for. Akron Printing and Publishing Co., Manufacturers, Akron, O.



1894

INCORPORATED.

1894

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PAID UP CAPITAL STOCK, \$200,000.

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EIGHTH ANNUAL CATALOGUE

AND

PRICE LIST.

---

. The .  
**Berger Manufacturing Co.**

MANUFACTURERS OF

BERGER'S PATENT EAVE TROUGH

HANGERS, CORRUGATED AND PLAIN CONDUCTOR PIPE,  
RIDGE CAPPING,  
CORNICES, WINDOW CAPS, ETC.

⊙ ⊙

STEEL ROOFING

CORRUGATED IRON, STEEL BRICK, ROCK-FACE STONE, METALLIC SHINGLES,  
PATENT CEILINGS AND SHUTTERS.

⊙ ⊙

**CANTON, OHIO, U. S. A.**

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THIS CATALOGUE SUPERSEDES ALL OTHERS.



## Announcement.

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### To The Trade:

In compiling our Catalogue for 1894, we do so with a feeling of kindest regards for our patrons and the trade generally, who have honored us with an appreciation of the merits of our goods, and sustained us with their favors in past years.

We expect to keep this in full view as an INCENTIVE for the future and endeavor, as in the past, to retain the good will of our patrons through the trials of competition.

During the many years of our experience, constantly making essential improvements, we have in view the interest of Architects, Builders, Contractors, and dealers generally, and will endeavor to give the information as brief and complete as possible.

Anticipating the progressive demands of trade since issuing our seventh Catalogue, we have added to our already LARGE FACTORY the latest improved machinery, giving us facilities and advantages not possessed by any other manufacturer of Sheet Metal Goods in the United States, and thus enabling us to give our customers the benefit of the many new styles of goods added to our already extensive assortment at LOW PRICES.

Our shipping facilities are also of the best, enabling us to fill all orders with promptness and dispatch.

We feel grateful for the favors of the past, and assuring the trade of our SOLE MOTIVE to sustain the merit and reputation of our goods by maintaining the highest standard of quality, we are

Very respectfully,

**THE BERGER MANUFACTURING CO.**

**CANTON, OHIO.**

10 88-1344-101



## Terms.

NET CASH, thirty days from date of invoice—or one per cent. if paid within ten days.

Parties desiring credit must have good commercial rating, or furnish satisfactory reference, before shipment will be made, otherwise will ship goods to our address and make sight draft, with bill of lading attached.

Bills not paid at maturity are subject to sight draft with exchange or cost of collection, without further notice, although we much prefer that customers remit the respective amounts when due.

Remittances must be made in New York Exchange or its equivalent, Express, P. O. Money Order, or Postal Note, and not by personal check (unless exchange is added).

No extension allowed, nor more than thirty days' credit given, except by special agreement to parties financially responsible, on note bearing eight per cent. interest after thirty days.

Claims for errors must be made on receipt of goods.

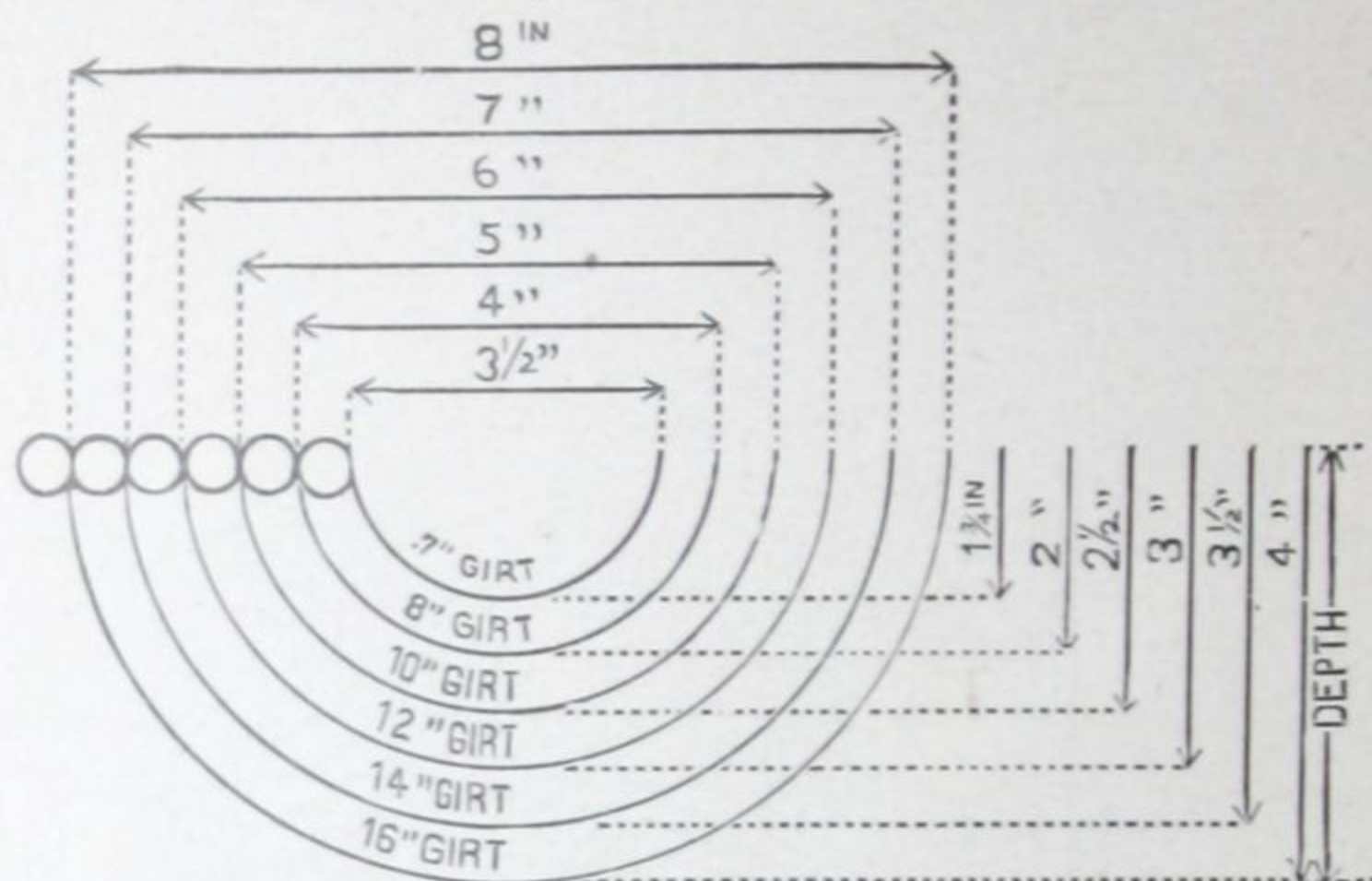
Under no circumstances will we consign goods.

10 00 015477 101



# BERGER'S Patent Slip Joint Eave Trough.

Patented January 12, 1886, and January 17, 1888.



Shows Depth and Girt of Different Sizes Eave Trough.

Made in Lengths of Ten (10) Feet of Galvanized Iron, I C and I X Terne Tin.

## PRICE LIST.

I C Terne Tin.		I X Terne Tin.	
10 FEET LONG. Slip Joint.		10 FEET LONG. Slip Joint.	
	Per Foot.		Per Foot.
3 1/2 in. I C Terne Plate	\$.08 1/2	3 1/2 in. I X Terne Plate	\$.10
4 in. I C Terne Plate	.10	4 in. I X Terne Plate	.11 1/2
5 in. I C Terne Plate	.12 1/2	5 in. I X Terne Plate	.13 1/2
6 in. I C Terne Plate	.14 1/2	6 in. I X Terne Plate	.16
7 in. I C Terne Plate	.16 1/2	7 in. I X Terne Plate	.18 1/2
8 in. I C Terne Plate	.19	8 in. I X Terne Plate	.21
Galvanized Iron.			
(No. 28 Gauge.)		Per Cent.	
10 FEET LONG. Slip Joint.			
	Per Foot.		
3 1/2 in. Galvanized	\$.12	DISCOUNTS { Galvanized ----- I C Terne ----- I X Terne -----	
4 in. Galvanized	.14		
5 in. Galvanized	.16 1/2		
6 in. Galvanized	.19	Packed in Cases of 250 feet.	
7 in. Galvanized	.21	Cases for Trough, 25 cents.	
8 in. Galvanized	.24		

When ordering Slip Joint Trough, state whether right or left is wanted, otherwise half right and half left will be shipped.

Always state whether Trough wanted is with or without Slip Joint.

THE LONGEST IN THE WORLD. Ten Feet (120 inches) Long Without a Seam. No Soldering Required.



# BERGER'S Lap Joint Eave Trough.

**Most Perfect and Uniform Trough on the Market.**

Made in Lengths of Ten (10) Feet of Galvanized Iron, 1C and 1X Terne Tin.

## PRICE LIST.

1C Terne Tin.		1X Terne Tin.	
10 FEET LONG. Lap Joint.		10 FEET LONG. Lap Joint.	
	Per Foot.		Per Foot.
3½ in. 1C Terne Plate----	\$.07½	3½ in. 1X Terne Plate----	\$.09
4 in. 1C Terne Plate----	.09	4 in. 1X Terne Plate----	.10½
5 in. 1C Terne Plate----	.11½	5 in. 1X Terne Plate----	.12½
6 in. 1C Terne Plate----	.13½	6 in. 1X Terne Plate----	.15
7 in. 1C Terne Plate----	.15½	7 in. 1X Terne Plate----	.17½
8 in. 1C Terne Plate----	.18	8 in. 1X Terne Plate----	.20

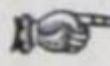
Galvanized Iron.		Per Cent.	
(No. 28 Gauge.)			
10 FEET LONG. Lap Joint.			
	Per Foot.		
3½ in. Galvanized-----	\$.11	DISCOUNTS {	Galvanized-----
4 in. Galvanized-----	.13		1C Terne-----
5 in. Galvanized-----	.15½		1X Terne-----
6 in. Galvanized-----	.18		
7 in. Galvanized-----	.20	Packed in Cases of 250 feet.	
8 in. Galvanized-----	.23	Cases for Trough, 25 cents.	

DOUBLE BEADS made on Trough, at 3 cents per foot added to above List Prices.

For Galvanized Iron Trough heavier than 28 gauge add the following prices per foot to above list:

27 Gauge-----	\$.01 per foot additional.
26 Gauge-----	.02 per foot additional.
24 Gauge-----	.06 per foot additional.

Always state whether Trough wanted is with or without Slip Joint.

 We always ship Galvanized Trough with Slip Joint and Tin Trough with Lap Joint, unless otherwise specified.



## Mitres.



Outside Corner Mitre.



Inside Corner Mitre.

These Mitres are Made Complete, Ready for Use, for both Inside and Outside Bead, either Slip or Lap Joint.

### PRICE LIST.

Galvanized Iron.		I X Terne.	
Slip Joint.		Slip Joint.	
3½ inch, per dozen, net	\$3.00	3½ inch, per dozen, net	\$2.50
4 inch, per dozen, net	3.25	4 inch, per dozen, net	2.75
5 inch, per dozen, net	3.50	5 inch, per dozen, net	3.25
6 inch, per dozen, net	4.00	6 inch, per dozen, net	3.50
Lap Joint.		Lap Joint.	
3½ inch, per dozen, net	\$2.50	3½ inch, per dozen, net	\$2.00
4 inch, per dozen, net	2.75	4 inch, per dozen, net	2.25
5 inch, per dozen, net	3.00	5 inch, per dozen, net	2.75
6 inch, per dozen, net	3.50	6 inch, per dozen, net	3.00

When ordering Slip Joint Mitres, state whether right or left hand is wanted, and whether for "Inside" or "Outside" Corner; otherwise half rights and half lefts, and half "Inside" and half "Outside" Corner Mitres, will be supplied.

## Valleys.

Made from long seamless I X and I C Terne Tin of superior quality, also from best Galvanized Iron, seams being 10 feet apart.

FURNISHED IN ROLLS OF 50 LINEAL FEET.

### PRICE LIST.

	I C Terne.	I X Terne.	Galvan- ized.
10 inch Valley, per foot	\$ .10	\$ .11½	\$ .12½
14 inch Valley, per foot	.14	.16	.17½
20 inch Valley, per foot	.20	.22½	.25
24 inch Valley, per foot	.24	.27	.30
28 inch Valley, per foot	.28	.31½	.35
30 inch Valley, per foot	.30	.34	.37½
DISCOUNTS { I C Terne	Per Cent.		
{ I X Terne	Per Cent.		
{ Galvanized	Per Cent.		

All Valleys are double locked, and soldered on one side, unless otherwise ordered.

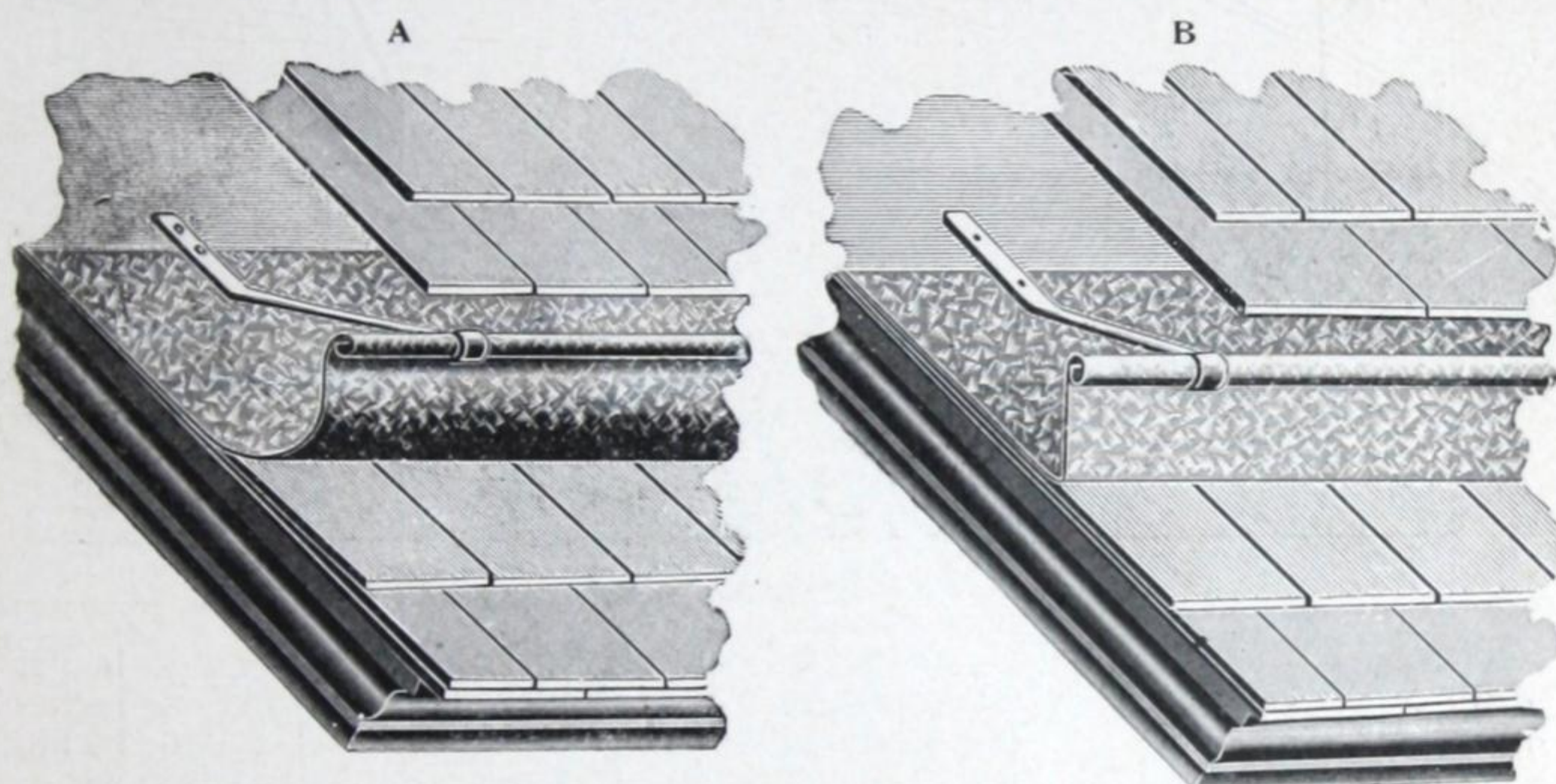


# Roof Gutters.

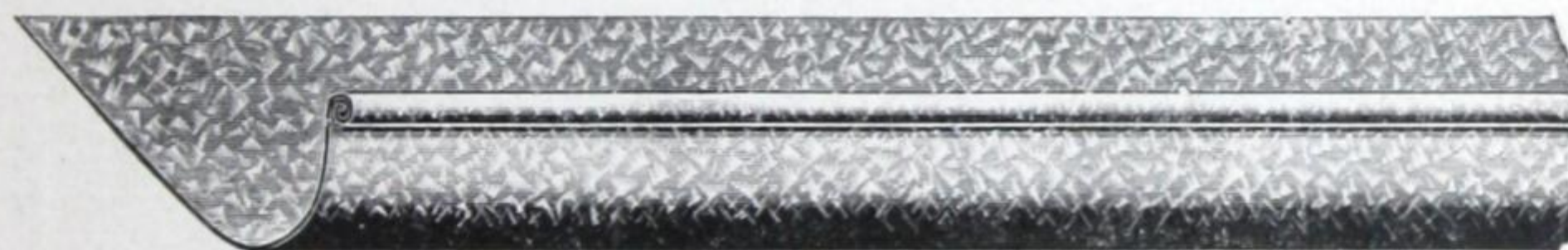
Made in 8 or 10 Foot Lengths, of Galvanized Iron and I X Terne Tin.

The following engravings show two styles, "A" and "B", Roof Gutters. The hangers are applied in such a manner as to leave no exposed nail or screw heads, (as cuts readily show); therefore, there can be no leaks from splitting or nail holes, as in the old-style way with wood fronts and wood brackets.

These Gutters are by far the best produced, and are sold at such prices that make them as cheap as those made of wood, lined with tin.



## PRICE LIST.



Style A.

	Galvan- ized.	I X Terne Tin.
Cut of 14 inch sheet, $\frac{3}{8}$ or $\frac{3}{4}$ bead, complete, per foot-----	\$ .23	\$ .18
Cut of 20 inch sheet, $\frac{3}{8}$ or $\frac{3}{4}$ bead, complete, per foot-----	.32	.25
Cut of 24 inch sheet, $\frac{3}{8}$ or $\frac{3}{4}$ bead, complete, per foot-----	.38	.30 $\frac{1}{2}$



Style B.

	Galvan- ized.	I X Terne Tin.
Cut of 15 inch sheet, $\frac{3}{8}$ or $\frac{3}{4}$ bead, complete, per foot-----	\$ .24	\$ .19
Cut of 18 inch sheet, $\frac{3}{8}$ or $\frac{3}{4}$ bead, complete, per foot-----	.29	.22 $\frac{1}{2}$
Cut of 20 inch sheet, $\frac{3}{8}$ or $\frac{3}{4}$ bead, complete, per foot-----	.32	.25

DISCOUNTS { Galvanized-----Per Cent.  
                  { I X Terne-----Per Cent.

Hangers for above Trough, each, net-----\$ .03



# Quarter Circle, O. G. and Box Gutters.

Made in 8 or 10 Foot Lengths, of Galvanized Iron, and 1 X Terne Tin.

BACK OF TROUGHS SAME HEIGHT AS BEAD SIDE.

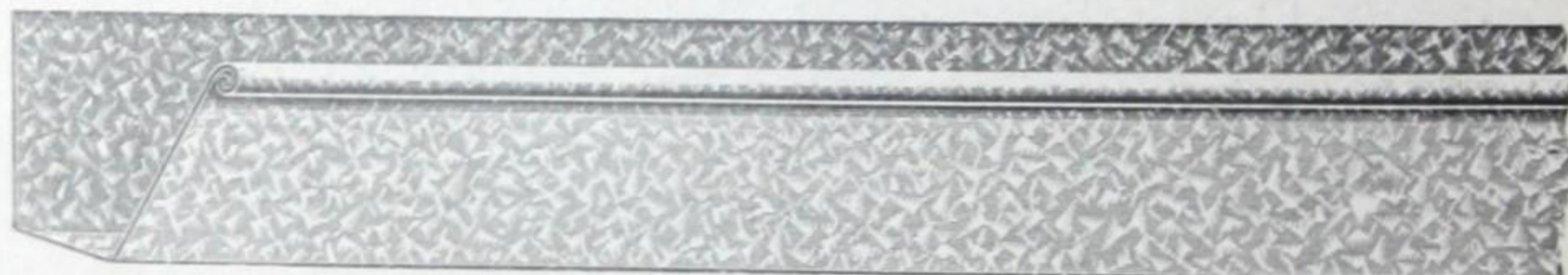
For high backs ADD ONE CENT per foot to List Prices for each additional inch added to back.

## PRICE LIST.



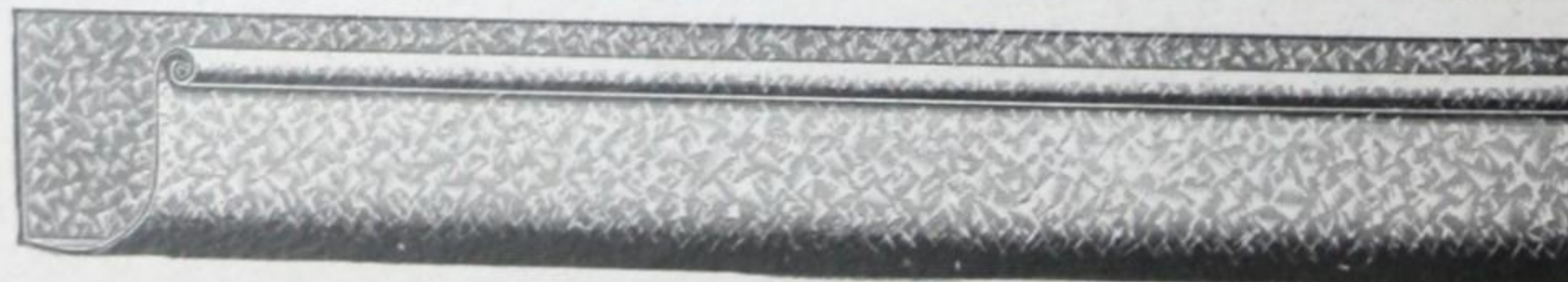
Style C.

Size-----	5 inches-----	6 inches-----	7 inches-----
Depth-----	3½ inches-----	4½ inches-----	4½ inches-----
Girt-----	12 inches-----	14 inches-----	16 inches-----
Galvanized-----	\$ .20 per ft.-----	\$ .23 per ft.-----	\$ .26 per ft.-----
1 X Terne-----	.16 per ft.-----	.18 per ft.-----	.20 per ft.-----



Style D.

Size-----	6 inches-----	7 inches-----	8 inches-----
Depth-----	4 inches-----	5 inches-----	5¾ inches-----
Girt-----	15 inches-----	18 inches-----	20 inches-----
Galvanized-----	\$ .24 per ft.-----	\$ .29 per ft.-----	\$ .32 per ft.-----
1 X Terne-----	.19 per ft.-----	.22½ per ft.-----	.25 per ft.-----



Style E.

Size-----	6 inches-----	7 inches-----	8 inches-----
Depth-----	4½ inches-----	5½ inches-----	7 inches-----
Girt-----	15 inches-----	18 inches-----	22 inches-----
Galvanized-----	\$ .24 per ft.-----	\$ .29 per ft.-----	\$ .35 per ft.-----
1 X Terne-----	.19 per ft.-----	.22½ per ft.-----	.27½ per ft.-----

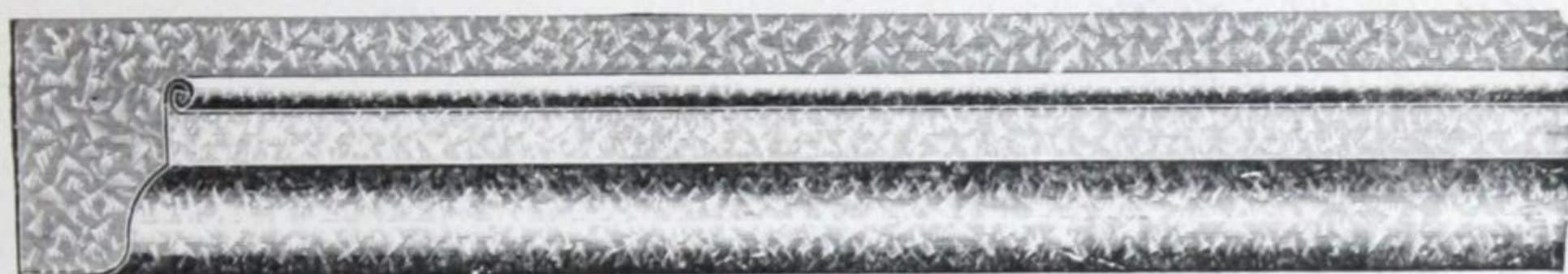
Quotations furnished on application for Trough made of Copper.





Style F.

Size-----	6 inches-----	7 inches-----	8 inches-----
Depth-----	5½ inches-----	5¾ inches-----	6 inches-----
Girt-----	18 inches-----	20 inches-----	22 inches-----
Galvanized-----	\$ .29 per ft.-----	\$ .32 per ft.-----	\$ .35 per ft.-----
I X Terne-----	.22½ per ft.-----	.25 per ft.-----	.27½ per ft.-----



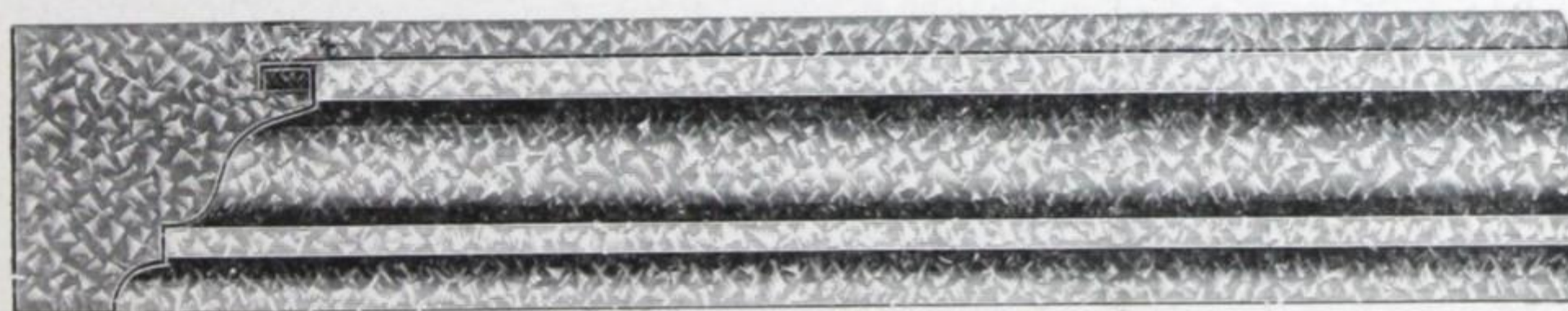
Style G.

Size-----	6 inches-----	7 inches-----	8 inches-----
Depth-----	5½ inches-----	6½ inches-----	7 inches-----
Girt-----	17 inches-----	20 inches-----	22 inches-----
Galvanized-----	\$ .27 per ft.-----	\$ .32 per ft.-----	\$ .35 per ft.-----
I X Terne-----	.22 per ft.-----	.25 per ft.-----	.27½ per ft.-----



Style H.

Size-----	6 inches-----	7 inches-----	8 inches-----
Depth-----	4 inches-----	4¾ inches-----	5½ inches-----
Girt-----	13 inches-----	16 inches-----	18 inches-----
Galvanized-----	\$ .21 per ft.-----	\$ .26 per ft.-----	\$ .29 per ft.-----
I X Terne-----	.17 per ft.-----	.20 per ft.-----	.22½ per ft.-----



Style J.

Size-----	6 inches-----	7 inches-----	9 inches-----
Depth-----	5¾ inches-----	6½ inches-----	8 inches-----
Girt-----	18 inches-----	20 inches-----	24 inches-----
Galvanized-----	\$ .29 per ft.-----	\$ .32 per ft.-----	\$ .38 per ft.-----
I X Terne-----	.22½ per ft.-----	.25 per ft.-----	.30 per ft.-----

DISCOUNTS { Galvanized-----Per Cent.  
 { I X Terne-----Per Cent.



# BERGER'S IMPERIAL Steel Eave Trough Hanger.

The Most Successful Hanger in the Market,  
Leading All Others Wherever  
Introduced.

SOLD ALREADY IN EVERY PORTION OF THE  
UNITED STATES, CANADA  
AND MEXICO.

THEY ARE FIVE TIMES STRONGER THAN ANY  
OTHER HANGER.

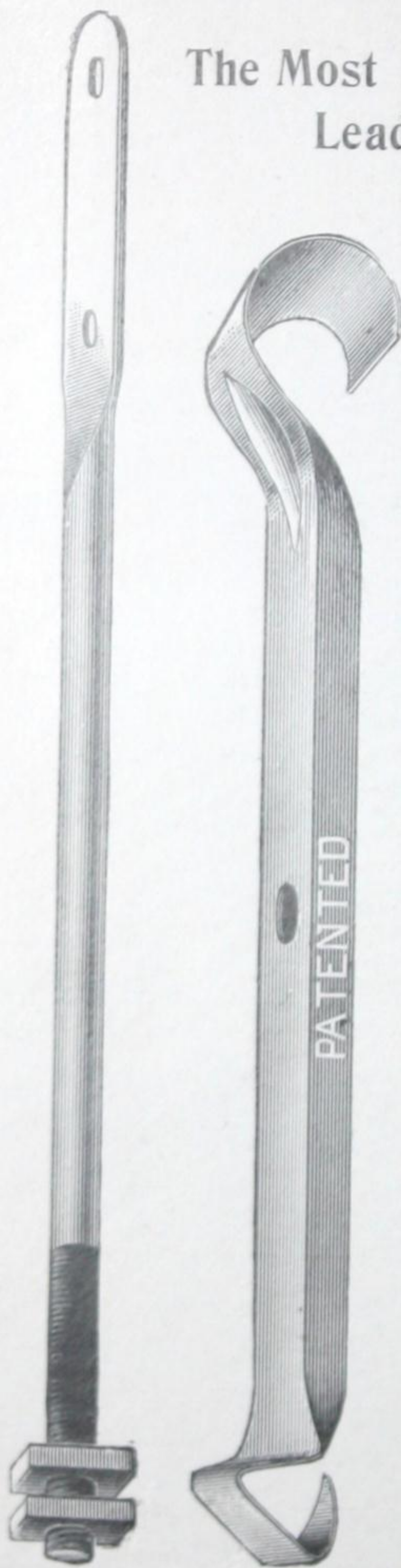
MADE FROM BEST NO. 16 STEEL.

EVERY HANGER WILL CARRY HALF A TON.

EVERY HANGER GUARANTEED TO DO PER-  
FECT WORK.

CAN BE ADJUSTED TO ANY FALL OR PITCH.

THE ONLY HANGER THAT YOU CAN USE WITH  
SATISFACTION TO REPAIR OLD  
TROUGHES.



Adj



3 inch,  
3 1/2 inch,  
4 inch,  
4 1/2 inch,  
5 inch,  
6 inch,  
7 inch,  
8 inch,

3 inch,  
3 1/2 inch,  
4 inch,  
4 1/2 inch,  
5 inch,  
Tongs to

N. E.  
beading

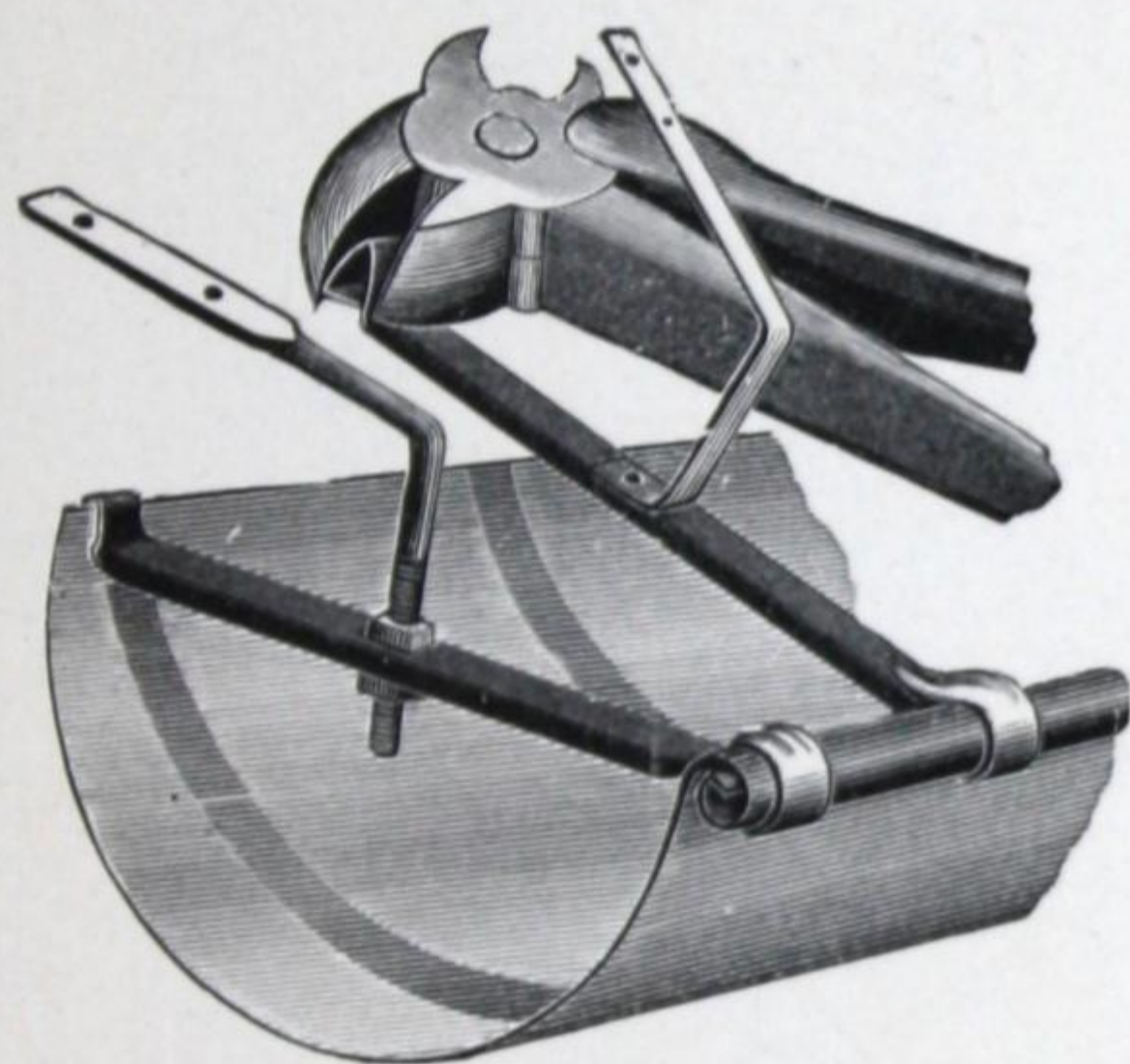


## BERGER'S IMPERIAL Adjustable Eave Trough Hanger.

Patented January 30, 1885.

Patented October 19, 1886.

THE GREATEST LABOR-**SAVING** HANGER MADE.



NO SOLDERING REQUIRED.

Four pounds of solder and one-half  
day's labor saved on every  
gross of our Hangers.

ICE CANNOT AFFECT THEM.

They Serve Both as a Brace and a  
Hanger.

UNEQUALED IN THEIR STRENGTH.

BEWARE OF INFRINGEMENTS.

### TRADE PRICE LIST.

3 inch, with Rods and Nuts complete, per gross, net	\$3.75
3½ inch, with Rods and Nuts complete, per gross, net	4.00
4 inch, with Rods and Nuts complete, per gross, net	4.25
4½ inch, with Rods and Nuts complete, per gross, net	4.35
5 inch, with Rods and Nuts complete, per gross, net	4.50
6 inch, with Rods and Nuts complete, per gross, net	5.00
7 inch, with Rods and Nuts complete, per gross, net	6.00
8 inch, with Rods and Nuts complete, per gross, net	8.00

3 inch, with Straps riveted on Crossbars complete, per gross, net	\$3.50
3½ inch, with Straps riveted on Crossbars complete, per gross, net	3.50
4 inch, with Straps riveted on Crossbars complete, per gross, net	3.75
4½ inch, with Straps riveted on Crossbars complete, per gross, net	3.85
5 inch, with Straps riveted on Crossbars complete, per gross, net	4.00
Tongs to apply Hangers, each	.40

N. B.—Sizes taken inside of bead. In ordering, always state size of your beading rod. Hangers always sent with rods unless otherwise ordered.



"PERFECTION"

## Wire Eave Trough Hanger.

SIMPLE,  
SUBSTANTIAL,  
NEAT,  
DURABLE,  
CHEAP.

PATENTED.

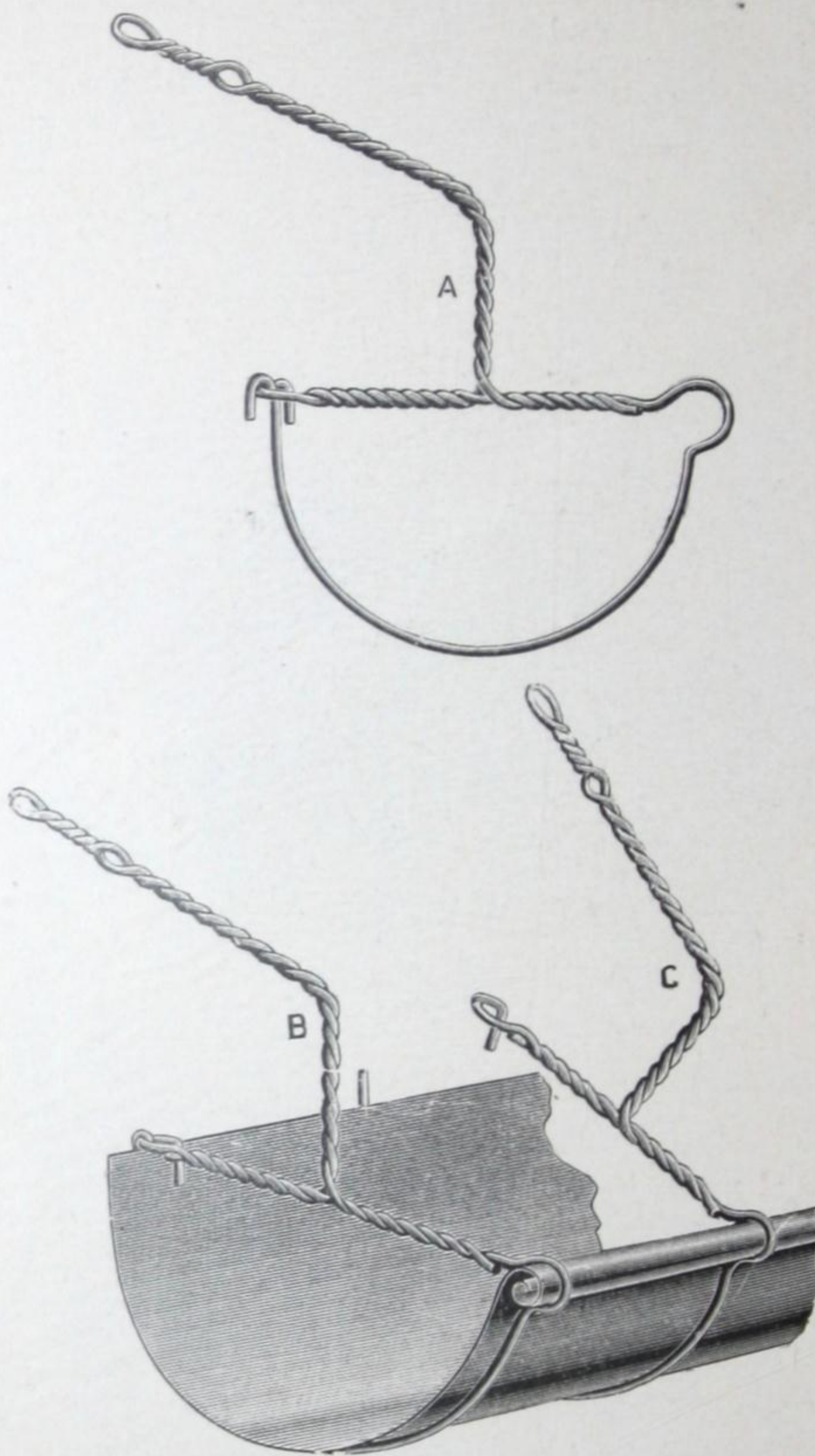
To those wishing a CHEAP and DURABLE Hanger, we place before them our "Perfection" Wire Hanger, which for CHEAPNESS, SIMPLICITY and DURABILITY can not be equaled by any other Hanger on the market.

It is made of best Galvanized Steel Wire; can be quickly and easily adjusted to trough, and is the only Wire Hanger forming a complete Brace as well as Hanger, thus holding the trough to shape as well as place.

"A" shows complete Hanger.

"B" shows Hanger as applied to trough.

"C" shows how to apply Hanger.



## PRICE LIST.

3 inch Wire Hangers, per gross, net	-----	\$2.00
3½ inch Wire Hangers, per gross, net	-----	2.25
4 inch Wire Hangers, per gross, net	-----	2.50
4½ inch Wire Hangers, per gross, net	-----	2.75
5 inch Wire Hangers, per gross, net	-----	3.00
6 inch Wire Hangers, per gross, net	-----	3.50
7 inch Wire Hangers, per gross, net	-----	4.00

N. B.—All Hangers sent with ½ inch beads, unless otherwise ordered.



## WOODRUFF

## Eave Trough Hanger.



## PRICE LIST.

3½ and 4 inch Bars, with Rods and Nuts complete, per gross, net.....	\$2.75
4½ and 5 inch Bars, with Rods and Nuts complete, per gross, net.....	3.00
6 inch Bars, with Rods and Nuts complete, per gross, net .....	3.75
7 inch Bars, with Rods and Nuts complete, per gross, net .....	4.25

## Hanger Rod Benders.

FOR BENDING HANGER RODS TO ANY DESIRED ANGLE OR PITCH.

Price, each, net.....\$ .75

## Pulleys for Hoisting Eave Trough.

Per Set, complete, net.....\$1.50

## Berger's Repair Spikes.



PATENTED.

½ or ¾ inch Bead x 7 inches long, per 100, net.....	\$2.00
½ or ¾ inch Bead x 9 inches long, per 100, net.....	2.50
½ or ¾ inch Bead x 12 inches long, per 100, net.....	3.00

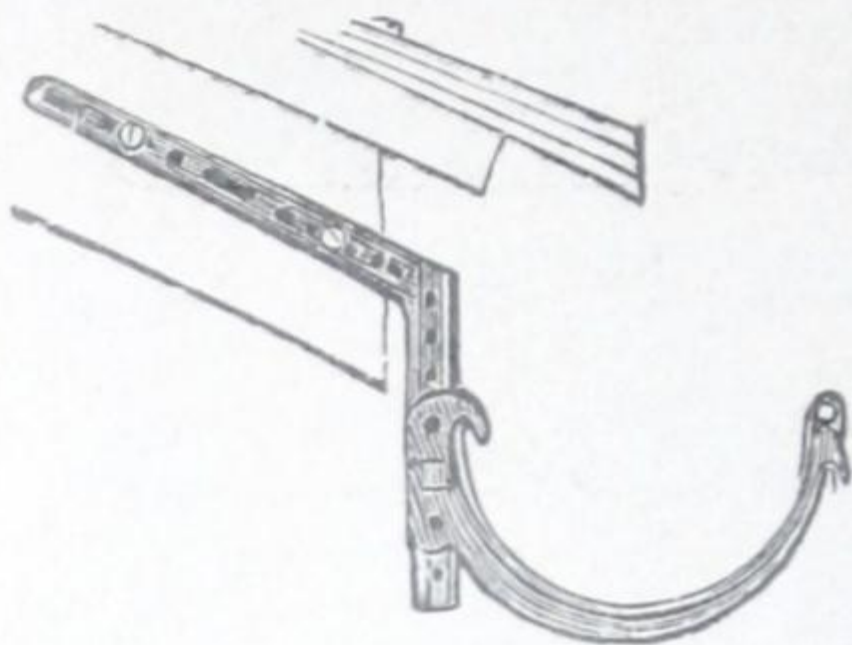


# Berger's Patent Adjustable Irons.

Patented October 14, 1879.

Used mainly for Slate Roofs and where it is undesirable to nail on Roofing.

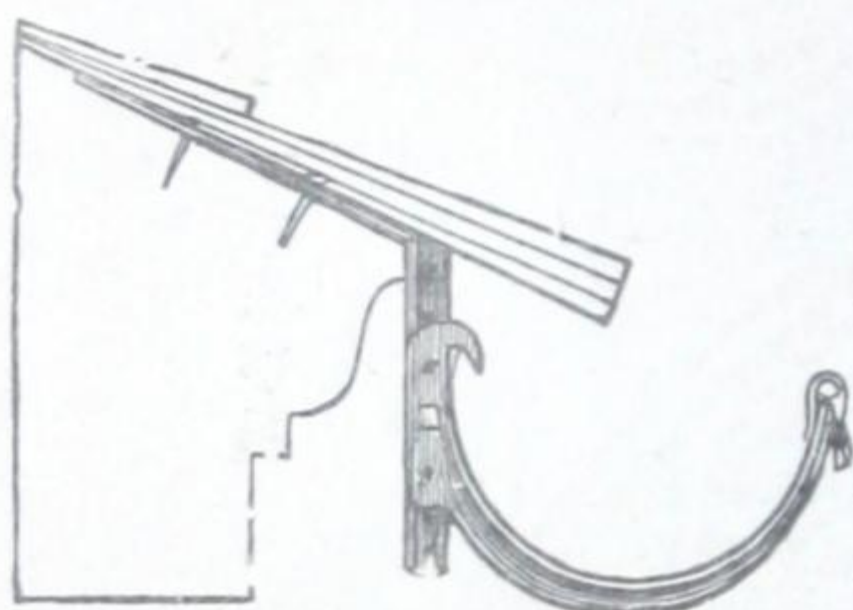
They can be adjusted to any fall of the trough desired, as the holes in the circles are so arranged that when one is even with those in the shank for the bolt, the next is part way over another, thus giving a fine uniform fall in the trough.



No. 11.

## ADJUSTABLE RAFTER IRONS.

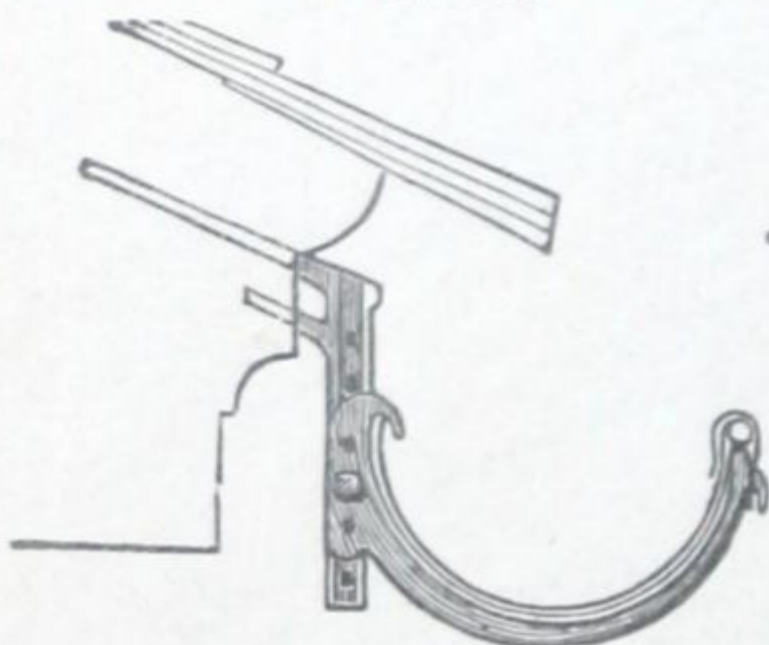
No. 11 Irons are especially adapted to Barns, Mills and Factories, where the rafters are exposed. The shank is nailed to the side of rafter, assorting the 4, 6½ and 9 inch shank to correspond with the amount of fall required.



No. 12.

## ADJUSTABLE ROOF IRONS.

No. 12 Irons are made ¼ pitch to fasten under the shingles or slate, and are easily bent to more or less pitch. The holes on top of the shank are made beveling, so the nail can be driven at any point and enter the shank.



No. 9.

## ADJUSTABLE DRIVE IRONS.

No. 7 Irons are made to drive square in the cornice from 3 to 4 inches. The lower prong forms a brace for the upper, and makes it very strong and firm.

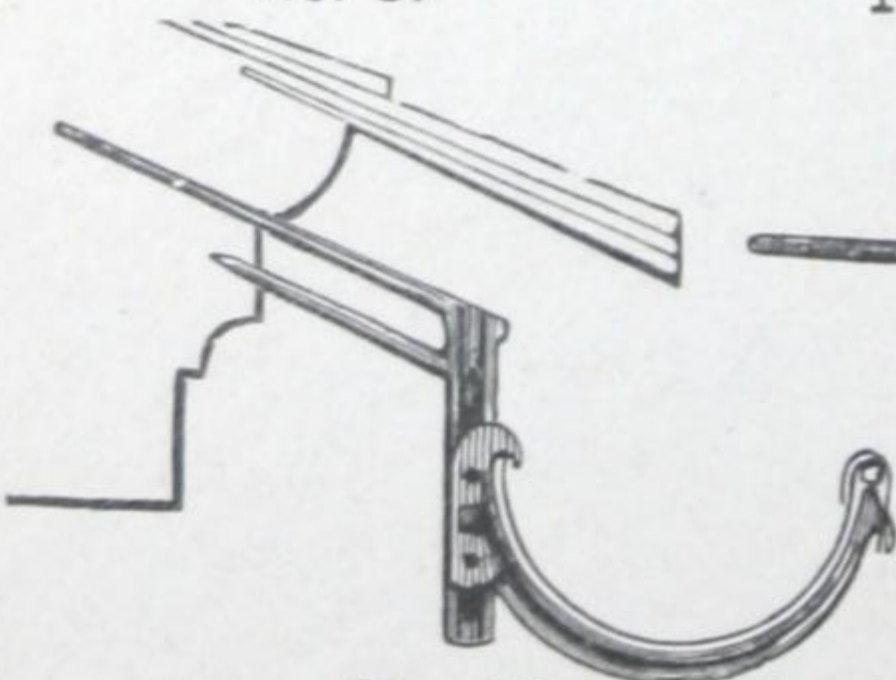
No. 9 is to drive with the pitch of the roof.

For crooked eaves, drive and bolt the irons to a line.

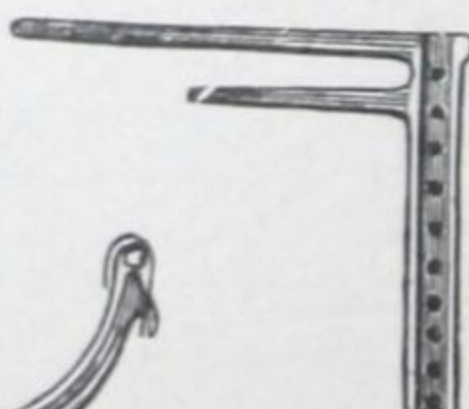
No. 7.

No. 8 Irons are made to drive from 3 to 6 inches square in the cornice, the lower prong forming a brace for the upper. This iron is intended for eaves where the shingles or slate project far over the cornice.

No. 13 drives with the pitch of the roof.



No. 13.

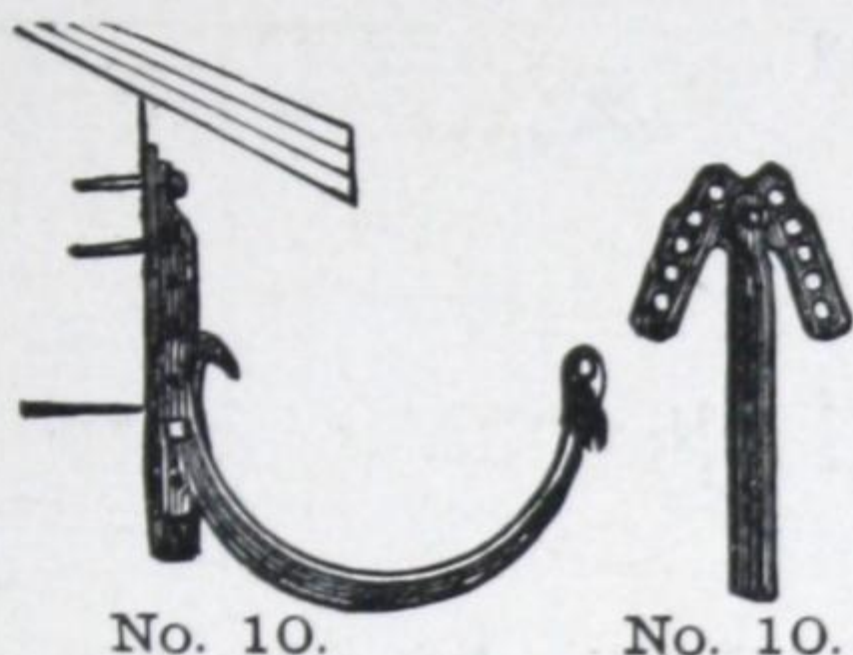


No. 8.

PRICE LIST, PAGE 15.



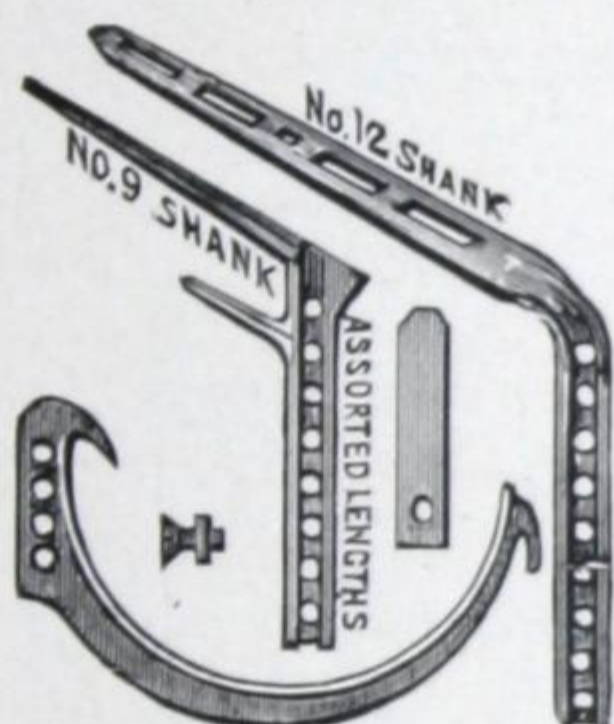
# Adjustable Front Irons.



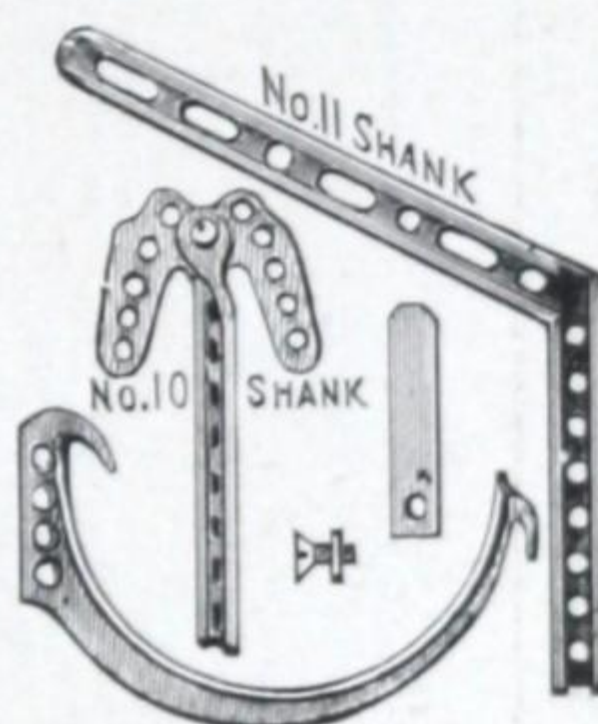
No. 10.

No. 10.

No. 10 is made to nail against square box cornices, and is especially adapted to barns, mills and factories.



No. 20.



No. 21.

Nos. 20 and 21 show different style Shanks and Gem Circles with necessary trimmings.

## PRICE LIST.

PUT UP IN PACKAGES OF 50 EACH.

Shanks Nos. 7 or 9, per 100 .....	\$2.00
Shanks Nos. 8, 10 or 13, per 100 .....	3.00
Shanks Nos. 11 or 12, per 100 .....	3.50
Circles for 3 inch Trough, inside measurement, per 100 .....	2.00
Circles for 3½ inch Trough, inside measurement, per 100 .....	2.00
Circles for 4 inch Trough, inside measurement, per 100 .....	2.00
Circles for 5 inch Trough, inside measurement, per 100 .....	3.00
Circles for 6 inch Trough, inside measurement, per 100 .....	4.00
Circles for 7 inch Trough, inside measurement, per 100 .....	5.00
Circles for 8 inch Trough, inside measurement, per 100 .....	6.00

Shanks and Circles are listed separate for the convenience in arranging list and for those who order assortments not evenly matched.

In ordering, state quantity and number of Shanks, and size of Circle wanted.

Measurements are taken inside of Trough. In measuring Troughs for Circles, always spread Trough to a true compass inside of bead.

DISCOUNT ..... Per Cent.



## BERGER'S Corrugated Expanding Conductor.



TEN (10) FEET LONG, WITHOUT A CROSS SEAM.

Will Not Burst When Full of Ice.

MADE IN LENGTHS OF TEN (10) FEET.

The Longest Single Piece Corrugated Pipe Made.

We have at present in successful operation, machinery for the production of ROUND CORRUGATED PIPE in ten (10) foot lengths, without a cross seam.

Our Square Pipe is also made in a ten (10) foot length, the short cross joints not being soldered, but locked together so the joints can not break apart.

EACH LENGTH A PERFECT STRAIGHT PIECE.

Patent Stamped Elbows and Shoes in one  
Piece, no Cross Seams on Same.

The Only Reliable and Perfect Elbow and  
Shoe Made.

SOLD STRICTLY ON THEIR MERITS.

Confidently Claiming our Corrugated Conductor  
Pipe, Elbows and Shoes to be the most  
Substantial, Handsomest, Cheap-  
est and Best Made.

PACKED IN SKELETON CRATES.

All sizes from 2 to 6 inches, can be nested in one Crate.



2 inch, e  
3 inch, e  
4 inch, e  
5 inch, e  
6 inch, e  
In o  
according



## TRADE PRICE LIST.

# BERGER'S Corrugated Expanding Conductor.

## ROUND EXPANDING CONDUCTOR.

REGULAR SIZES, PER FOOT.

	Galvanized.
2 inch-----	\$ .12
3 inch-----	.15
4 inch-----	.20
5 inch-----	.25
6 inch-----	.30

## SQUARE EXPANDING CONDUCTOR.

	Galvanized.
1 $\frac{3}{4}$ x 2 $\frac{1}{4}$ inches, equal to 2 inch Round-----	\$ .12
2 $\frac{3}{8}$ x 3 $\frac{1}{4}$ inches, equal to 3 inch Round-----	.15
2 $\frac{3}{4}$ x 4 $\frac{1}{4}$ inches, equal to 4 inch Round-----	.20
3 $\frac{3}{4}$ x 5 inches, equal to 5 inch Round-----	.25

## Elbows and Shoes.

ROUND OR SQUARE.



1



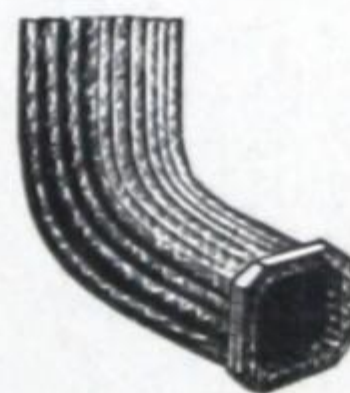
2



3



Shoe.



Shoe.

## GALVANIZED.

## Round.

	Elbows.	Shoes.
2 inch, each-----	\$ .25	\$ .30
3 inch, each-----	.30	.36
4 inch, each-----	.40	.48
5 inch, each-----	.50	.60
6 inch, each-----	.60	.72

## Square.

	Elbows.	Shoes.
2 inch, each-----	\$ .30	\$ .40
3 inch, each-----	.36	.48
4 inch, each-----	.48	.60
5 inch, each-----	.60	.72
6 inch, each-----	.72	.84

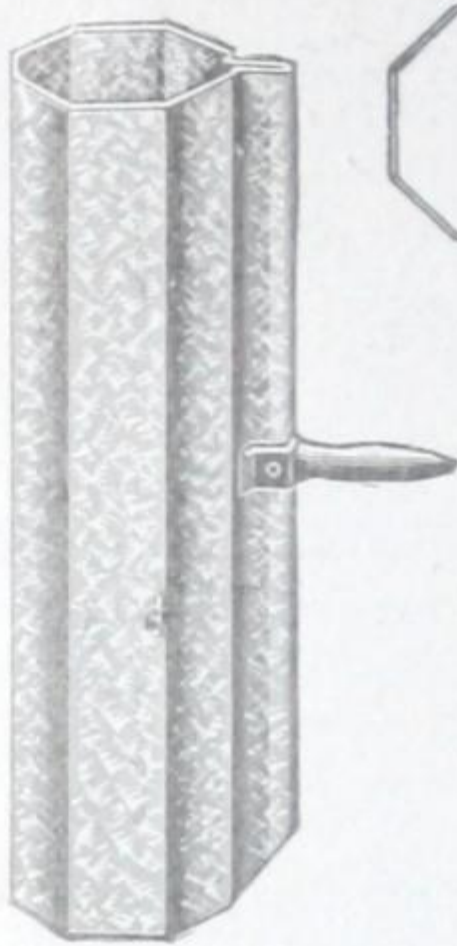
In ordering Elbows and Shoes, parties will please state the angles required accordingly as numbered in the annexed cuts.

DISCOUNT-----Per Cent.



# OCTAGON AND CHAMFERED Expanding Conductors.

Made of Galvanized Iron. Furnished in 7 Foot Seamless Lengths.



## Octagon Expanding Conductor

REGULAR SIZES, PER FOOT.

2 inch, Galvanized Iron, per foot	.....\$ .12
3 inch, Galvanized Iron, per foot	..... .15
4 inch, Galvanized Iron, per foot	..... .20
5 inch, Galvanized Iron, per foot	..... .25
6 inch, Galvanized Iron, per foot	..... .30
7 inch, Galvanized Iron, per foot	..... .36



## Chamfered Expanding Conductor

1 $\frac{3}{4}$ x 2 $\frac{1}{2}$ inch, Galvanized Iron, per foot	.....\$ .12
2 x 3 inch, Galvanized Iron, per foot	..... .15
3 x 4 inch, Galvanized Iron, per foot	..... .20
4 x 5 inch, Galvanized Iron, per foot	..... .25
4 x 6 inch, Galvanized Iron, per foot	..... .30
5 x 6 inch, Galvanized Iron, per foot	..... .32

DISCOUNT ..... Per Cent.

### ELBOWS.



No. 1.



No. 2.

	Per Doz.		Per Doz.
2 inch—No. 1	.....\$2.25	No. 2	.....\$2.75
3 inch—No. 1	..... 2.75	No. 2	..... 3.25
4 inch—No. 1	..... 3.50	No. 2	..... 4.00
5 inch—No. 1	..... 4.25	No. 2	..... 4.75
6 inch—No. 1	..... 5.25	No. 2	..... 5.50

DISCOUNT ..... Per Cent.

### MALLEABLE FASTENERS.

USED ONLY FOR ABOVE PIPES.



For Wood Walls.



For Brick Walls.

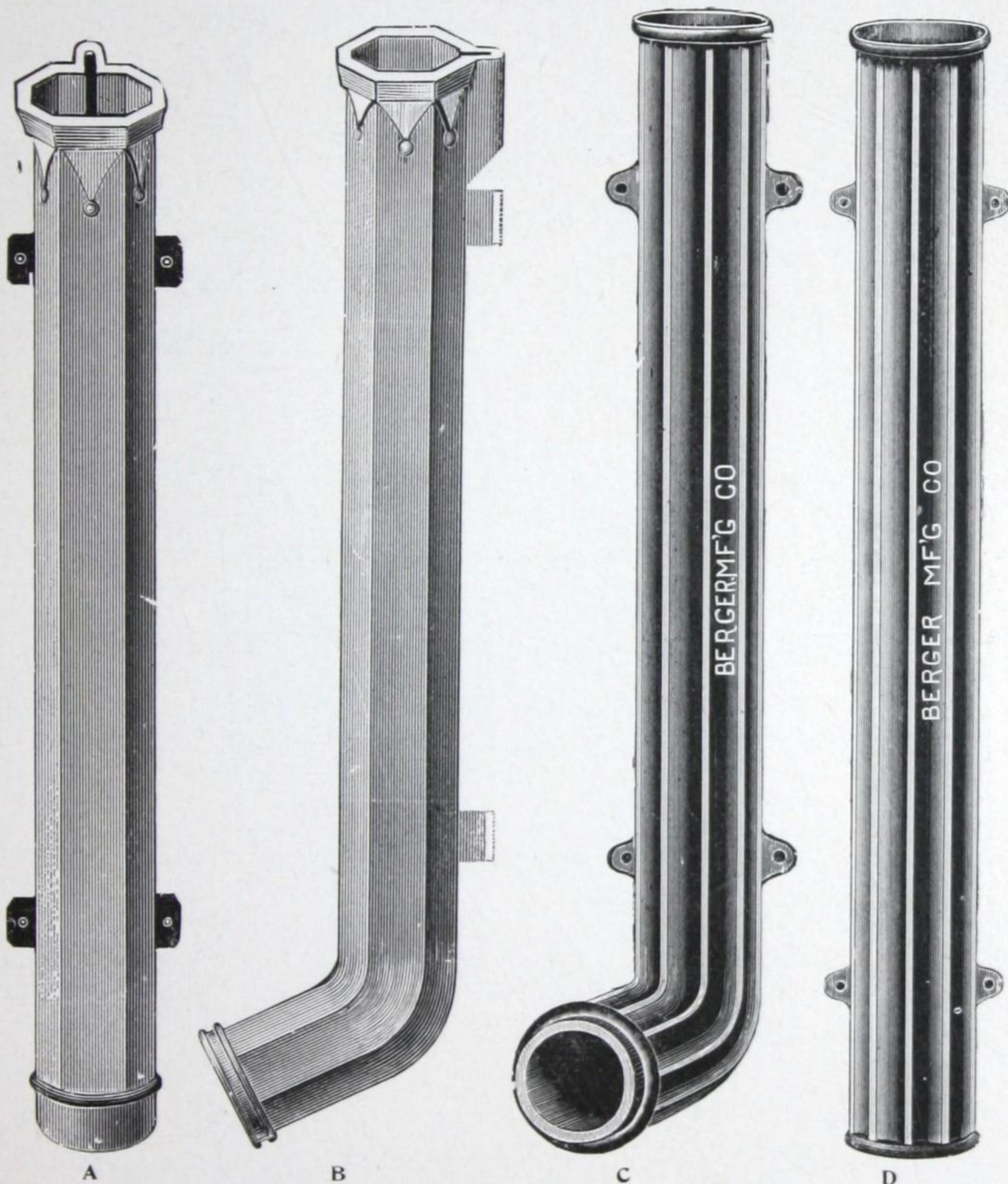
Price, each, net ..... 5 cents

When ordering, always state whether for  
Wood or Brick.



# Cast Iron Boots and . . . .

## . . . Sewer Connections.



### PRICE LIST.

	PATTERN A. 5 ft. long.	PATTERN B. 4½ ft. long.	PATTERN C. 4½ ft. long.	PATTERN D. 4½ ft. long.
3 inch, each----	\$3.20	\$3.20	\$3.20	\$3.20
4 inch, each----	4.00	4.00	4.00	4.00
5 inch, each----	4.70	4.70	5.00	5.00
6 inch, each----	5.95	5.95	6.00	6.00

DISCOUNT-----Per Cent.



## PLAIN ROUND

## Ten Foot Lock Seam Pipe,

—FOR—

LEADER or  
CONDUCTOR SPOUTS,  
VENTILATING,  
HEATING BLAST,  
HOT AIR and  
BLOWER PIPE,

And for all classes of work where STRENGTH and DURABILITY are desired. It is ROUNDER, STIFFER and more DURABLE than any other, and therefore UNEQUALED for use in VENTILATION by Plumbers and others.

Each Ten (10) Foot Length is a Single Perfect Piece.

No cross seams to come apart or break off as in other pipes. It is the HEAVIEST, STRONGEST AND BEST PIPE MADE.

## TRADE PRICE LIST.

Diameter.	Galvanized, Per Foot, 10 Feet Long.	I X Terne, Per Foot, 10 Feet Long.	I C Terne, Per Foot, 10 Feet Long.
1½ inch-----	\$ .11	\$ .10½	\$ .09
2 inch-----	.12	.11½	.10
2½ inch-----	.13	.12½	.11½
3 inch-----	.15	.14	.12½
3½ inch-----	.18	.16	.14½
4 inch-----	.20	.17½	.16
5 inch-----	.25	.22½	.20½
6 inch-----	.30	.27½	.25

DISCOUNTS	Galvanized-----	Per Cent.
	I X Terne-----	Per Cent.
	I C Terne-----	Per Cent.

Prices quoted upon application on larger sizes.



Size.  
1½ inch...  
2 inch...  
2½ inch...  
3 inch...  
3½ inch...  
4 inch...  
4½ inch...  
5 inch...  
5½ inch...  
6 inch...  
7 inch...  
8 inch...  
9 inch...  
10 inch...

These Elb



## Spiral Lock-Seam Pipe.



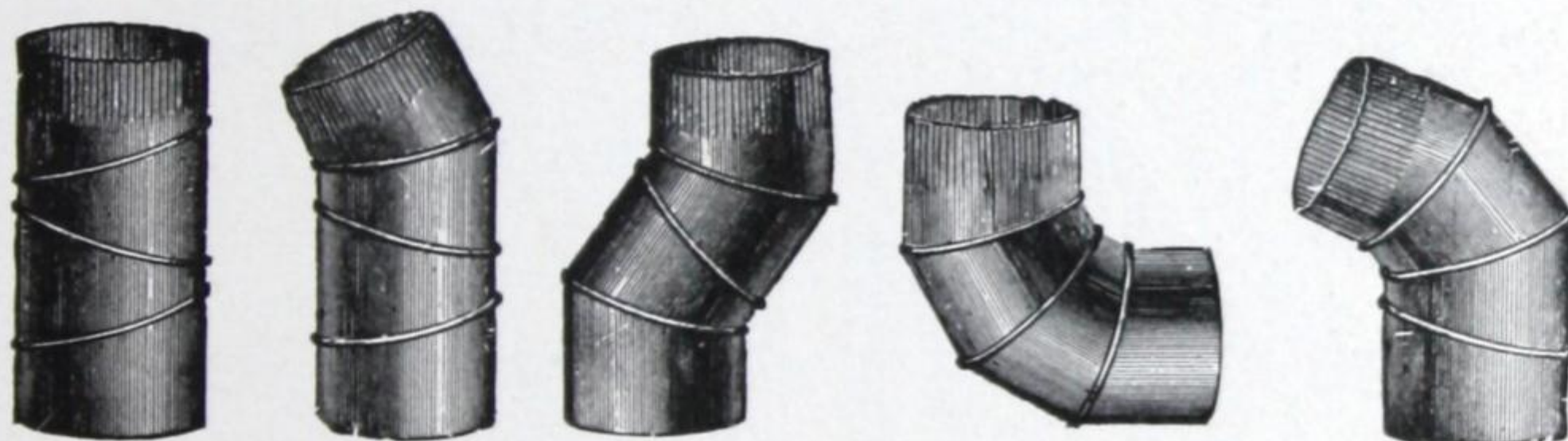
### TRADE PRICE LIST.

Diameter.	Galvanized, Per Foot.	Bright Tin, Per Foot.
1½ inch-----	\$ .12	\$ .07
2 inch-----	.14	.09
2½ inch-----	.17	.10
3 inch-----	.19	.11
4 inch-----	.25	.15
5 inch-----	.30	.21
5½ inch-----	.34	.25
6 inch-----	.38	.28

DISCOUNT-----Per Cent.

Prices quoted on application for Pipe made of other sheet metals.

## Patent Adjustable Elbows.



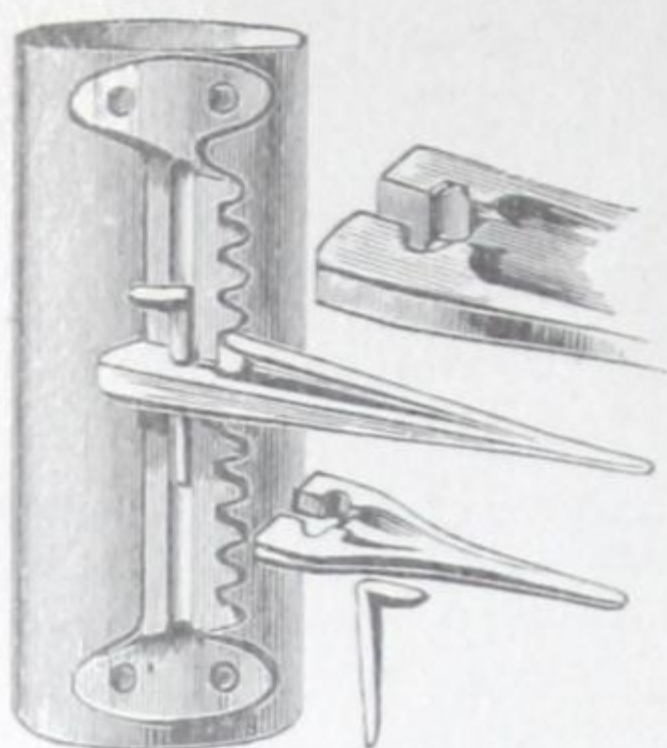
### TRADE PRICE LIST.

Size.	Galvanized Iron, Per Doz.	Bright Tin, Per Doz.
1½ inch-----	\$ 2.40	\$ 1.80
2 inch-----	2.40	1.80
2½ inch-----	3.00	2.40
3 inch-----	3.60	2.40
3½ inch-----	4.20	3.60
4 inch-----	4.80	3.60
4½ inch-----	5.40	4.80
5 inch-----	6.60	4.80
5½ inch-----	7.80	6.60
6 inch-----	8.40	6.60
7 inch-----	10.20	8.40
8 inch-----	13.80	10.80
9 inch-----	15.50	12.60
10 inch-----	16.80	14.40

DISCOUNT-----Per Cent.

These Elbows can be adjusted to any angle between a straight line and a right angle.





## ADJUSTABLE Conductor Fastener.

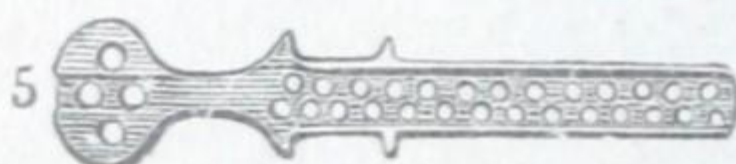
Patented August 14, 1876.

TINNED.

For Wood, per 100 complete, net	\$4.00
For Brick, per 100 complete, net	5.00
For Stone, per 100 complete, net	6.00

Can be Used in Any Position.

This Fastener will answer for all sizes Round, Square or Corrugated Pipe.  
The Pipe can easily be taken off for repairs.  
Made to rivet, bolt or solder.



## Conductor Cleats.

TINNED.

No. 3, per 100, net	\$1.50
No. 4, per 100, net	2.00
No. 5, per 100, net	3.00

Nos. 3 or 4 will answer for 2 to 5 inch pipe. They are fastened crosswise to the pipe, and are nailed at each side.

No. 5 is fastened lengthwise for slipped joints, and will answer for all sizes Round or Corrugated Pipe.



## Corrugated Hinged Hooks.

Patented.

TINNED.

	For Wood.	For Brick.
2 inch, per 100, net	\$3.00	\$3.50
3 inch, per 100, net	4.00	4.50
4 inch, per 100, net	5.00	5.50
5 inch, per 100, net	6.00	6.50



## Plain Hinged Hooks.



FOR WOOD, TINNED.

2 inch, per 100, net	-----	\$2.50
3 inch, per 100, net	-----	3.50
4 inch, per 100, net	-----	4.50
5 inch, per 100, net	-----	5.50

## Plain Hinged Hooks.



FOR BRICK, TINNED.

2 inch, per 100, net	-----	\$3.50
3 inch, per 100, net	-----	4.50
4 inch, per 100, net	-----	5.50
5 inch, per 100, net	-----	6.50
6 inch, per 100, net	-----	7.50

## Half Round Wired Hooks.

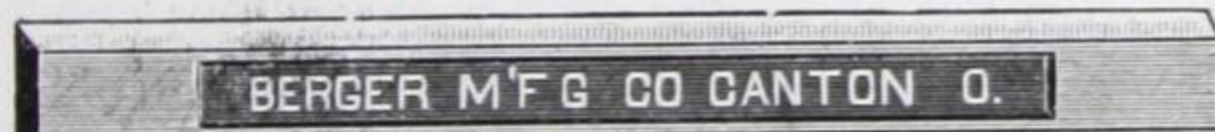


TINNED.

For Wood—2 inch, per 100, net	-----	\$1.50
For Wood—3 inch, per 100, net	-----	2.00
For Wood—4 inch, per 100, net	-----	2.50
For Brick—2 inch, per 100, net	-----	2.50
For Brick—3 inch, per 100, net	-----	3.00
For Brick—4 inch, per 100, net	-----	3.50

NOTE.—4 inch can be enlarged for 5 inch.

## Solder.



We make a specialty of two grades of Solder, and have a good stock at all times on hand.

Genuine Half and Half	-----	net, per lb.
Marketable Half and Half	-----	net, per lb.



# Conductor Hooks.

## For Brick.

PATENTED SEPTEMBER 19, 1876.

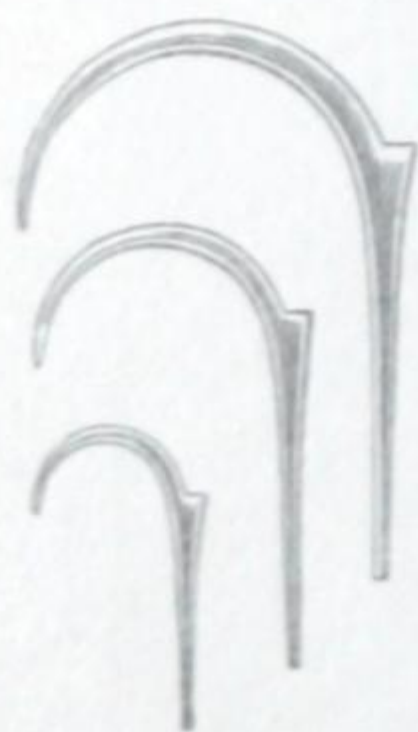
### PRICE LIST.



	Plain.	Tinned.
2 inch, per 100-----	\$1.25	\$1.75
2½ inch, per 100-----	1.50	2.00
3 inch, per 100-----	2.00	2.75
3½ inch, per 100-----	2.50	3.50
4 inch, per 100-----	3.50	4.25
5 inch, per 100-----	4.50	6.00
6 inch, per 100-----	6.00	7.50

## For Wood.

### PRICE LIST.



	Plain.	Tinned.
1½ inch, per 100-----	\$ .65	\$ .75
2 inch, per 100-----	.75	1.00
2½ inch, per 100-----	1.00	1.50
3 inch, per 100-----	1.50	2.00
3½ inch, per 100-----	2.00	2.50
4 inch, per 100-----	2.50	3.00
5 inch, per 100-----	3.00	4.00

NOTE.—Always state whether Plain or Tinned Hooks are wanted.

DISCOUNT-----Per Cent.

## Flashing Hooks.

### PRICE LIST.



	Tinned.
1½ inch, per 100-----	\$ .35
2½ inch, per 100-----	.55
3½ inch, per 100-----	1.00
5½ inch, per 100-----	1.70

The large size will answer for Square Conductor Pipe.

DISCOUNT-----Per Cent.



# Standard Speaking=Tube.

## PRICE LIST.

1 inch, per foot.....	\$ .03
1 inch Square Elbows, per doz.....	.60
1 inch Stamped Elbows, per doz.....	.90

DISCOUNT..... Per Cent.

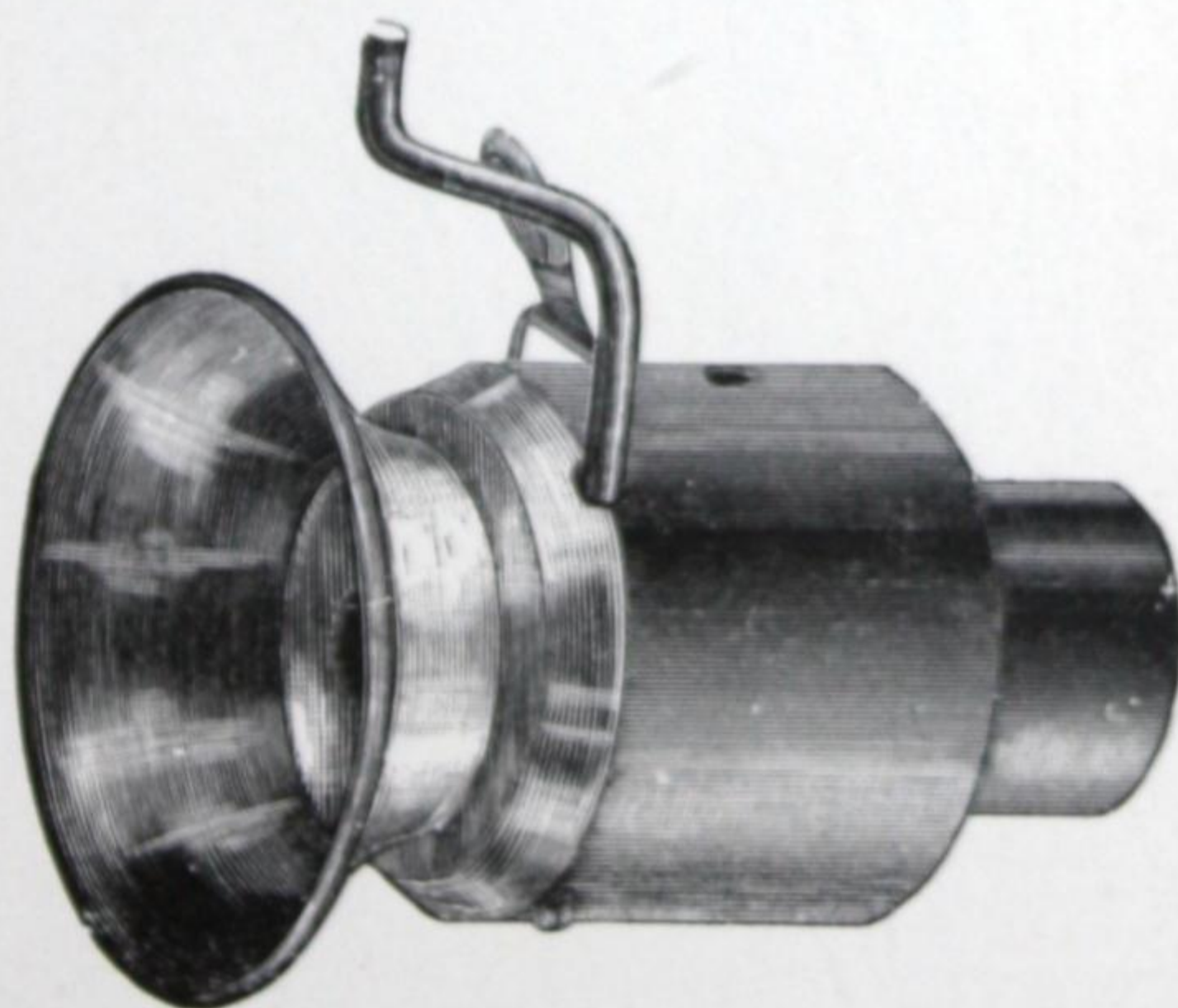
## Speaking=Tube Whistles.

PER DOZEN.

With Indicator, Plain.....	\$4.00
With Indicator, Porcelain.....	4.50
With Indicator, Nickeled.....	7.00

DISCOUNT..... Per Cent.

## The Round Speaking=Tube Whistle.





## Galvanized Conductor Strainers,

Are Invaluable for Keeping Leaves and Similar Obstructions from Getting into and Stopping up the Conductor Pipe.



### PRICE LIST.

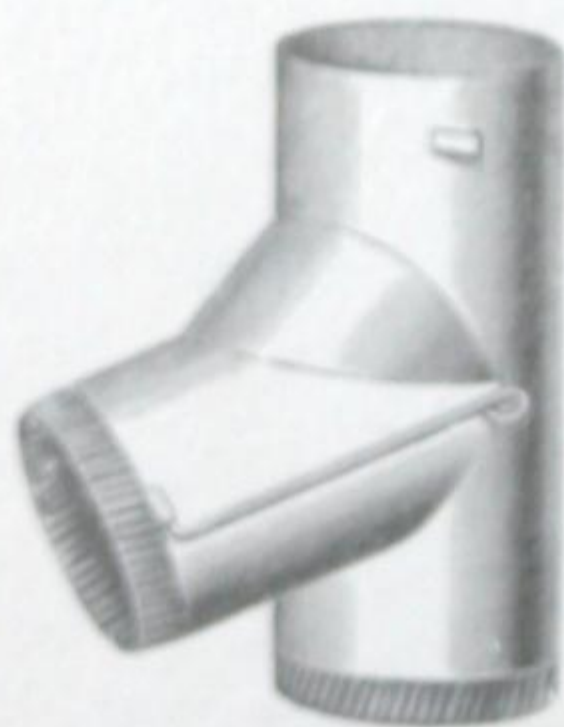
#### Galvanized Wire Conductor Strainers.

2 inches diameter, per dozen	\$1.50
3 inches diameter, per dozen	2.00
4 inches diameter, per dozen	3.00
5 inches diameter, per dozen	3.50
6 inches diameter, per dozen	4.00

DISCOUNT.....Per Cent.

## Centennial Rain Water Cut-Off.

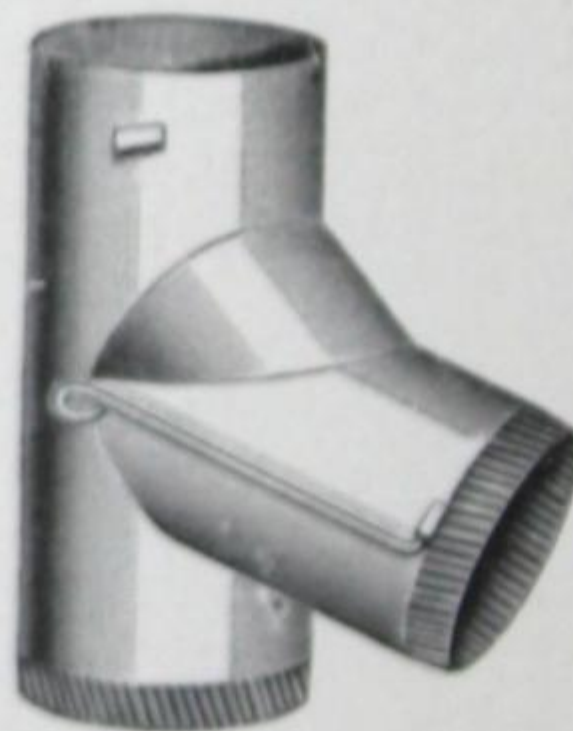
Can be Used in Any Position Without Extra Pipe.



Right Hand Wire.



Sectional View.



Left Hand Wire.

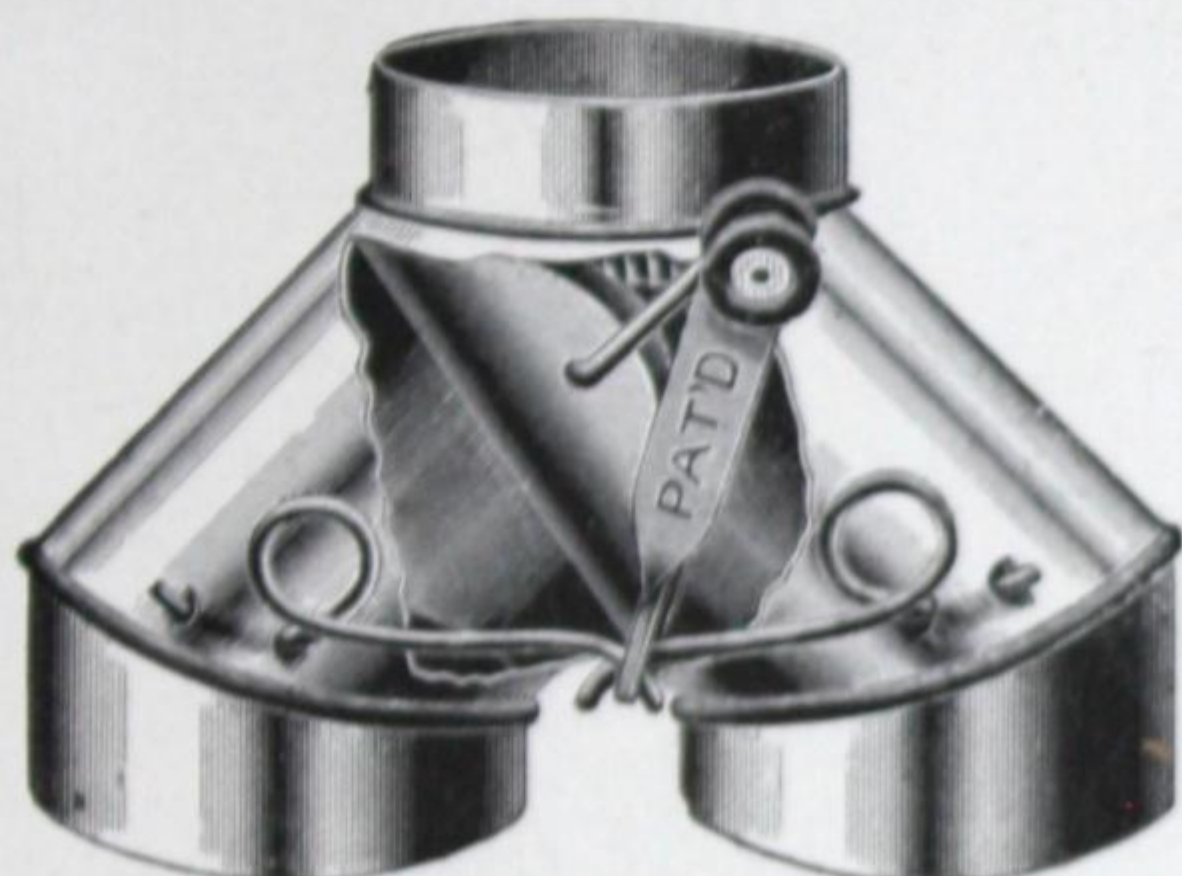
Made of Tin, nicely japanned, and put up in crates of one dozen each (assorted right and left hand wires), so they may be used in any position without extra pipe or elbows.

2 inch, per dozen, net	\$2.40
3 inch, per dozen, net	3.00
4 inch, per dozen, net	4.50
5 inch, per dozen, net	7.80



## THE "PERFECTION" Rain Water Cut-Off.

The Cheapest and Best Cut-Off Ever Introduced. Recommended by Architects,  
Builders and Users Everywhere.



AUTOMATIC,

DURABLE,

SIMPLE,

and CHEAP.

The Only Absolute Self-Locking, Automatic Cut-Off  
on the Market.

Cut shows how the Cut-Off operates. The handle is operated by a substantial wire spring, which is so arranged that it insures the bucket remaining where placed, and entirely prevents it being turned by the down-flow of water. Should anything disturb the handle or throw it out of place, it will immediately resume its position upon being released. The spring that controls the bucket is very firm, being made of the best spring brass wire, the most durable known. They have been thoroughly tested, and for the purpose intended

ARE SUPERIOR TO ANY ON THE MARKET.

### PRICE LIST.

Tin--Nicely Japanned.		Galvanized.	
2 inch, per dozen	\$ 3.00	2 inch, per dozen	\$ 4.20
2½ inch, per dozen	3.00	3 inch, per dozen	4.80
2¾ inch, per dozen	3.40	4 inch, per dozen	7.20
3 inch, per dozen	3.60	5 inch, per dozen	12.00
3½ inch, per dozen	4.80	6 inch, per dozen	14.00
4 inch, per dozen	5.40		
5 inch, per dozen	9.00		
6 inch, per dozen	12.00		

Packed in crates of one dozen each.

Try a sample order, and if not as represented, we will refund the money.

DISCOUNT-----Per Cent.



# BERGER'S PREPARED AMERICAN ROOFING PLATES, FOR DOUBLE SEAMING.



Protected in transportation by PATENT PACKAGES and always received in good condition by customers.

## Each Roll Ready For Roof When Received.

This Roofing is made of 1 C and 1 X American Plates of superior quality. Size of sheets in rolls 24 x 120 inches, locked and soldered the 24-inch way and furnished in strips 24 inches wide by 50 feet long, containing 100 square feet.

### PRICES.

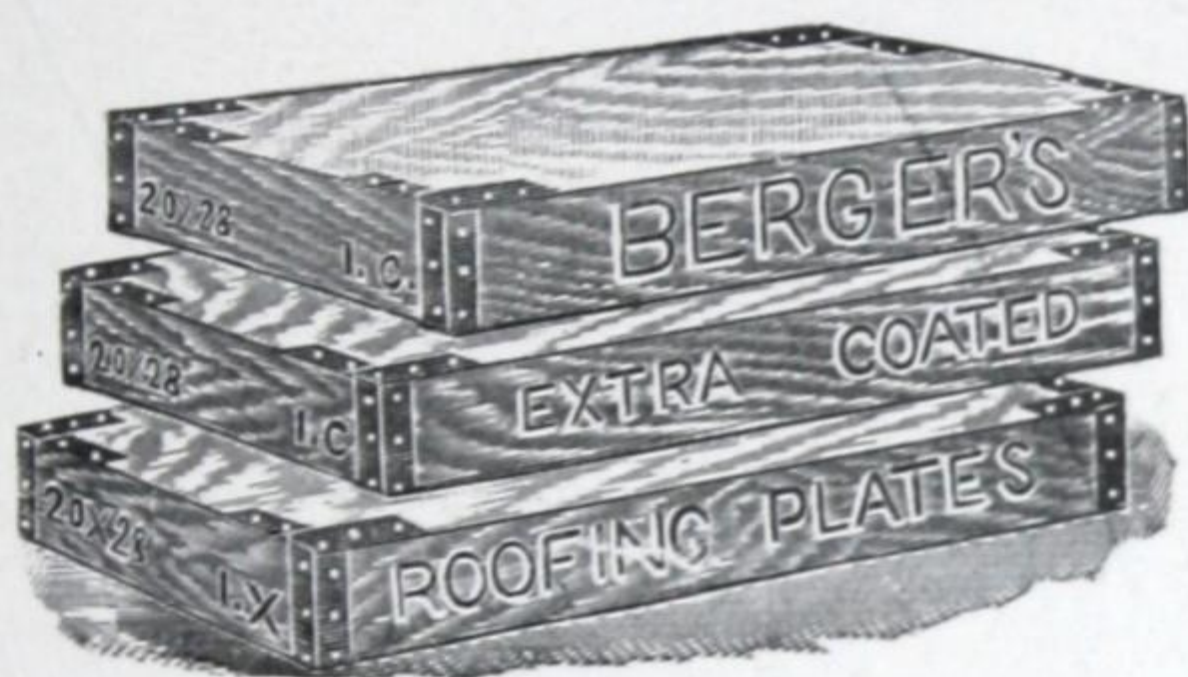
1 C, per roll ..... \$4.25 | 1 X, per roll ..... \$4.75  
 Sheets are unpainted. If desired painted (both sides), price will be 25 cents per square extra.

DISCOUNT ..... Per Roll.



# BERGER'S EXTRA COATED American Make Roofing Plate

Is Made of Soft Steel Sheets, Extra Heavy Coated.



GUARANTEED hand dipped and to equal any heavy coated or old style imported plate on the market.

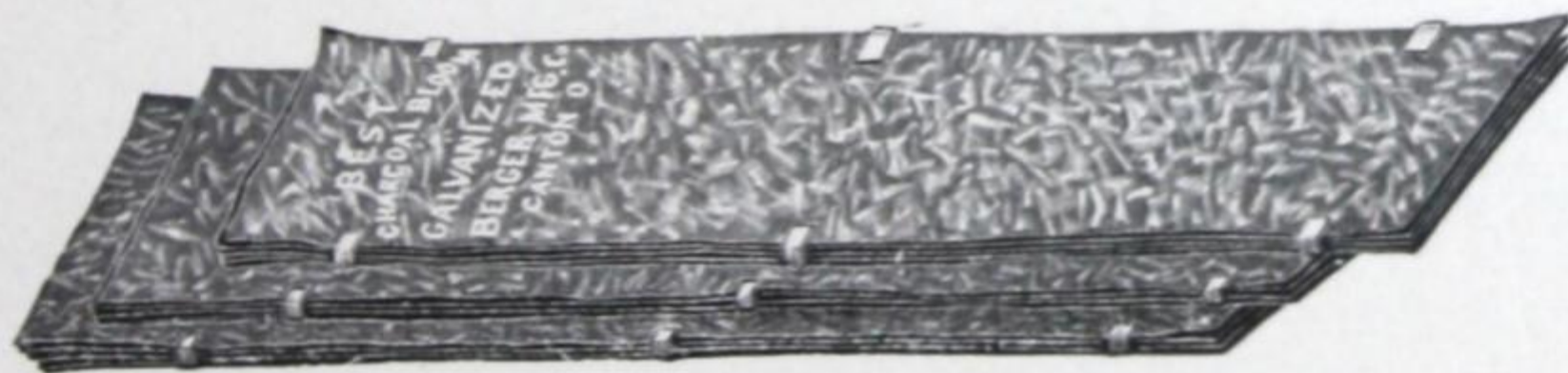
**Each Sheet Stamped, Squared and Guaranteed.**

## PRICES PER BOX.

I C 20 x 28, 112 sheets—net weight, 240 pounds; per box, net-----\$-----  
I X 20 x 28, 112 sheets—net weight, 290 pounds; per box, net-----\$-----

NOTE.—We carry a complete stock of all grades American Plates. Prices quoted on application.

## Galvanized Iron.



## LIST PRICES STANDARD SIZES.

Nos. 10 to 16-----12 cts.	Nos. 23 and 24-----14 cts.	No. 27-----16 cts.
Nos. 17 to 21-----13 cts.	Nos. 25 and 26-----15 cts.	No. 28-----17 cts.
		Nos. 29 and 30-----20 cts.

We carry in stock constantly the following gauges: Nos. 24, 26, 27 and 28, in 24 and 30 inch widths, by 96 inches long. Other sizes furnished quickly.

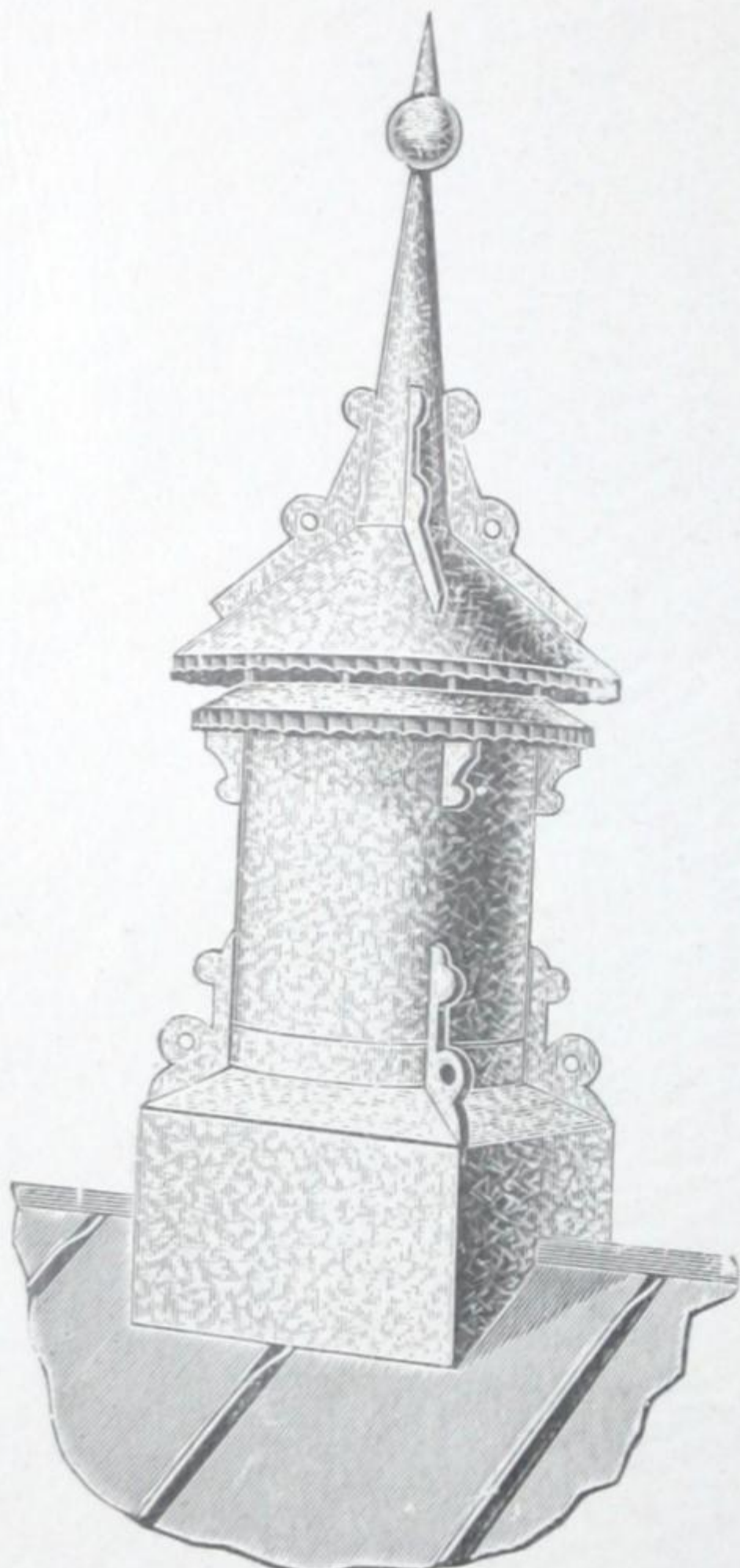
DISCOUNT-----Per Cent.



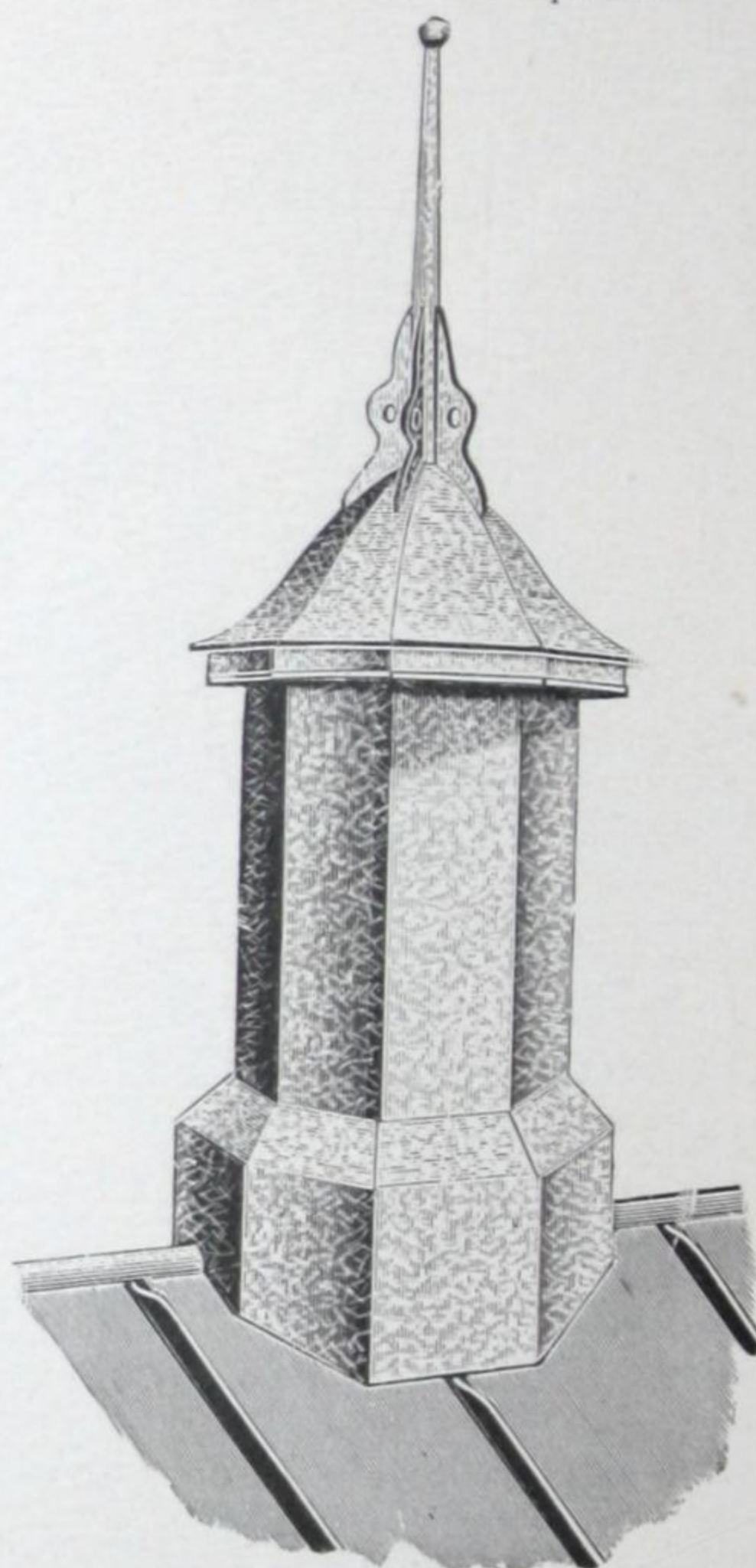
# Ventilators.

**CHEAPEST AND BEST VENTILATORS MADE.**

For Removing Heat and Odors from Factories, Stables, Paper Mills, Chemical Rooms, Silk, Woolen and Cotton Mills, Foundries, Engine, Round and Gas Houses, Depots, Halls and Hospitals.



Style A. (Round.)



Style B. (Octagon.)

**MADE OF HEAVY GALVANIZED IRON.**

## PRICE LIST.

		Style A.	Style B.
No. 0—18 inch Base, 12 inch Drum, 5 feet high	-----	\$12.75	\$12.00
No. 1—22 inch Base, 15 inch Drum, 6½ feet high	-----	15.00	14.00
No. 2—28 inch Base, 21 inch Drum, 8½ feet high	-----	18.00	17.00
No. 3—35 inch Base, 29 inch Drum, 11 feet high	-----	22.50	21.50

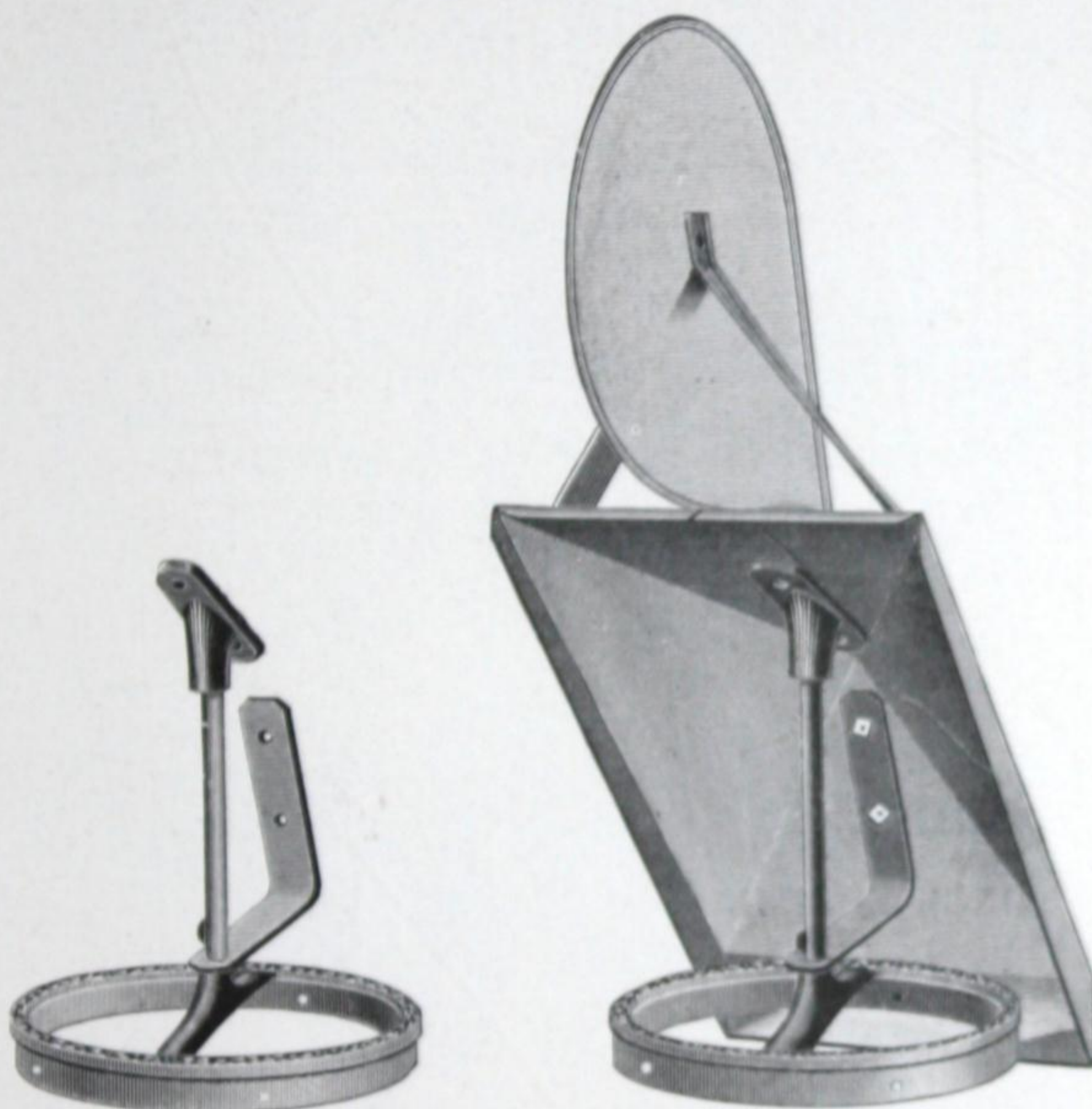
DISCOUNT ----- Per Cent.



# POWER'S Revolving Chimney Top.

CHEAPEST AND SIMPLEST TOP MADE.

A POSITIVE CURE FOR SMOKY CHIMNEYS.



Iron Mountings as Furnished by Us.

Above Shows Top Complete.

## WE FURNISH IRON MOUNTINGS ONLY,

As shown above, PACKED 6 SET IRONS COMPLETE in wood box. In each box we put PATTERNS FREE for making cover and vane. Any tinner can make them. They are effective, simple and durable. They adjust with the slightest pressure of wind. The wind blowing past the sides creates a suction, DRAWING SMOKE AND SOOT OUT.

## PRICE LIST.

7 inch, iron mountings, only, per dozen set	\$13.00
8 inch, iron mountings, only, per dozen set	15.00
10 inch, iron mountings, only, per dozen set	18.00
12 inch, iron mountings, only, per dozen set	22.50

DISCOUNT.....Per Cent.

N. B.—7, 8, 10 and 12 inch are our regular sizes, but we recommend the 8 inch size for ordinary use.



## PRICE LIST

## Galvanized Iron Ridging.



In Lengths of 10½ Feet (126 inches), Without a Seam.



1½ INCH RIDGING.

Diameter of Roll	1½ in.
Width of Apron	2 in.
Girt	8 in.
Price, per ft.	10 cts.



2 INCH RIDGING.

Diameter of Roll	2 in.
Width of Apron	2½ in.
Girt	10 in.
Price, per ft.	12½ cts.



2½ INCH RIDGING.

Diameter of Roll	2½ in.
Width of Apron	3 in.
Girt	12 in.
Price, per ft.	15 cts.



3 INCH RIDGING.

Diameter of Roll	3 in.
Width of Apron	3½ in.
Girt	14 in.
Price, per ft.	18 cts.

DISCOUNT ..... Per Cent.

## V Angle Ridge Cap.

Made of Galvanized Iron. In Three Sizes.



3 inch Apron.	Girt, 6 inches.	Price, per ft.	..... \$ .07½
3½ inch Apron.	Girt, 7 inches.	Price, per ft.	..... .09
4 inch Apron.	Girt, 8 inches.	Price, per ft.	..... .10

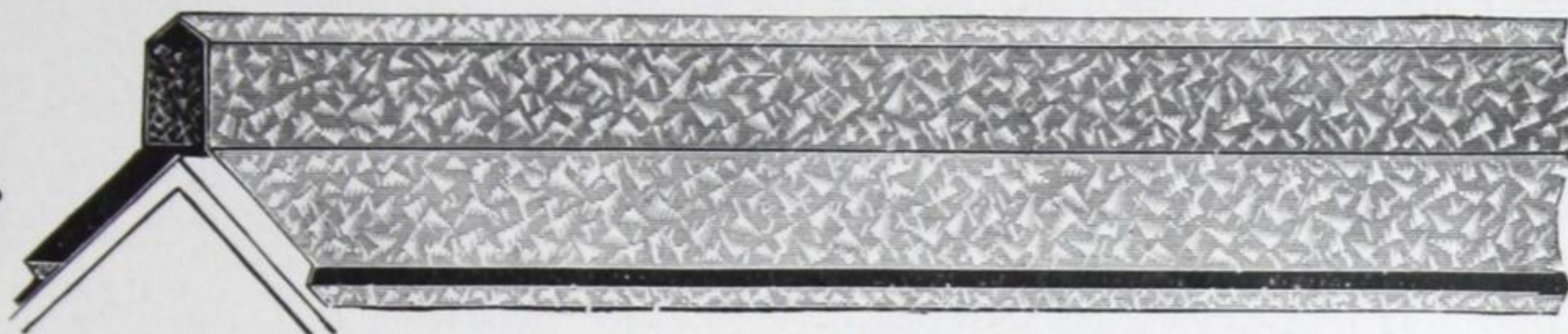
DISCOUNT ..... Per Cent.



## PRICE LIST

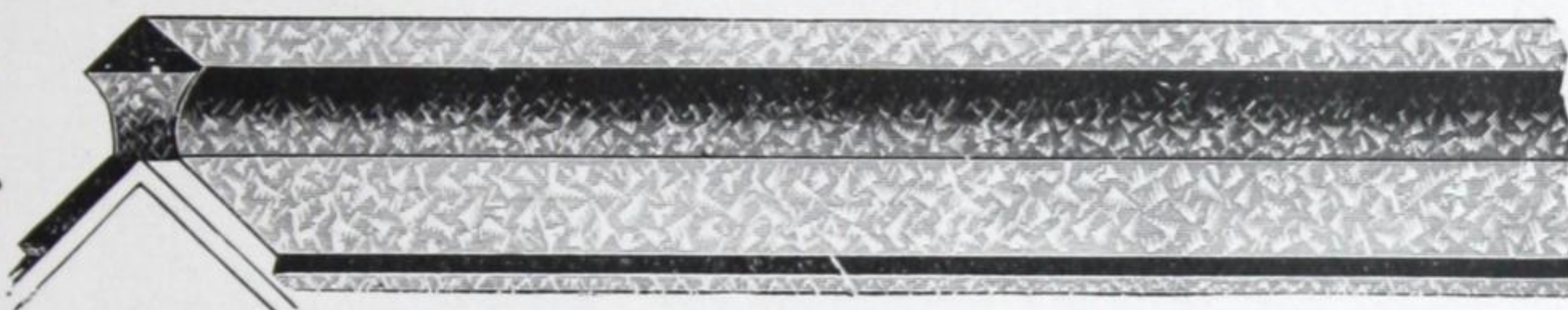
## Ornamental Galvanized Iron Ridgings.

Style A.



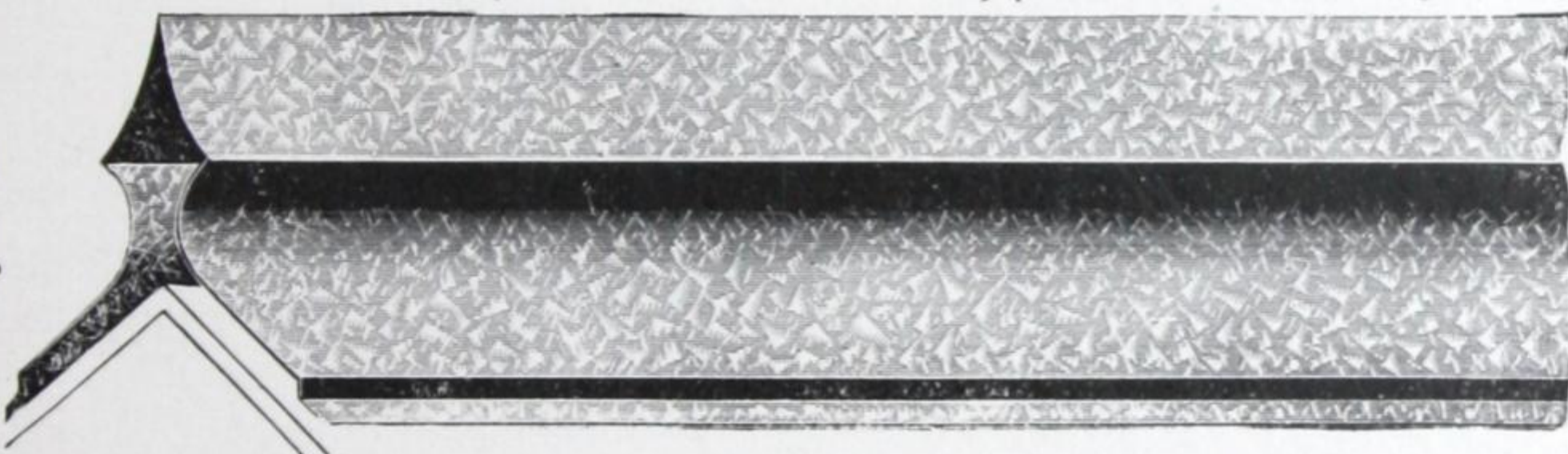
Height	4 $\frac{3}{4}$ inches	6 inches	8 inches.
Girt	12 inches	15 inches	20 inches.
Apron	2 $\frac{1}{2}$ inches	3 $\frac{1}{2}$ inches	4 $\frac{1}{2}$ inches.
Price	.15 per ft.	.19 per ft.	.25 per ft.

Style B.



Height	4 $\frac{1}{2}$ inches	6 inches	8 inches.
Girt	12 inches	15 inches	20 inches.
Apron	2 $\frac{1}{2}$ inches	3 inches	4 $\frac{1}{2}$ inches.
Price	.15 per ft.	.19 per ft.	.25 per ft.

Style C.



Height	6 $\frac{1}{4}$ inches	8 inches	10 inches.
Girt	15 inches	20 inches	24 inches.
Apron	3 inches	4 inches	4 $\frac{1}{2}$ inches.
Price	.19 per ft.	.25 per ft.	.30 per ft.

Style D.



Height	8 inches	9 $\frac{1}{2}$ inches	12 inches.
Girt	20 inches	24 inches	30 inches.
Apron	4 $\frac{1}{2}$ inches	5 inches	6 $\frac{1}{2}$ inches.
Price	.26 per ft.	.31 per ft.	.38 $\frac{1}{2}$ per ft.

DISCOUNT.....Per Cent.



# METALLIC

## Cresting Block and Finials.



No. 100.

A COMPLETE TERRA COTTA FINISH IN METAL AT ONE-FIFTH THE COST OF EARTHEN TILE.

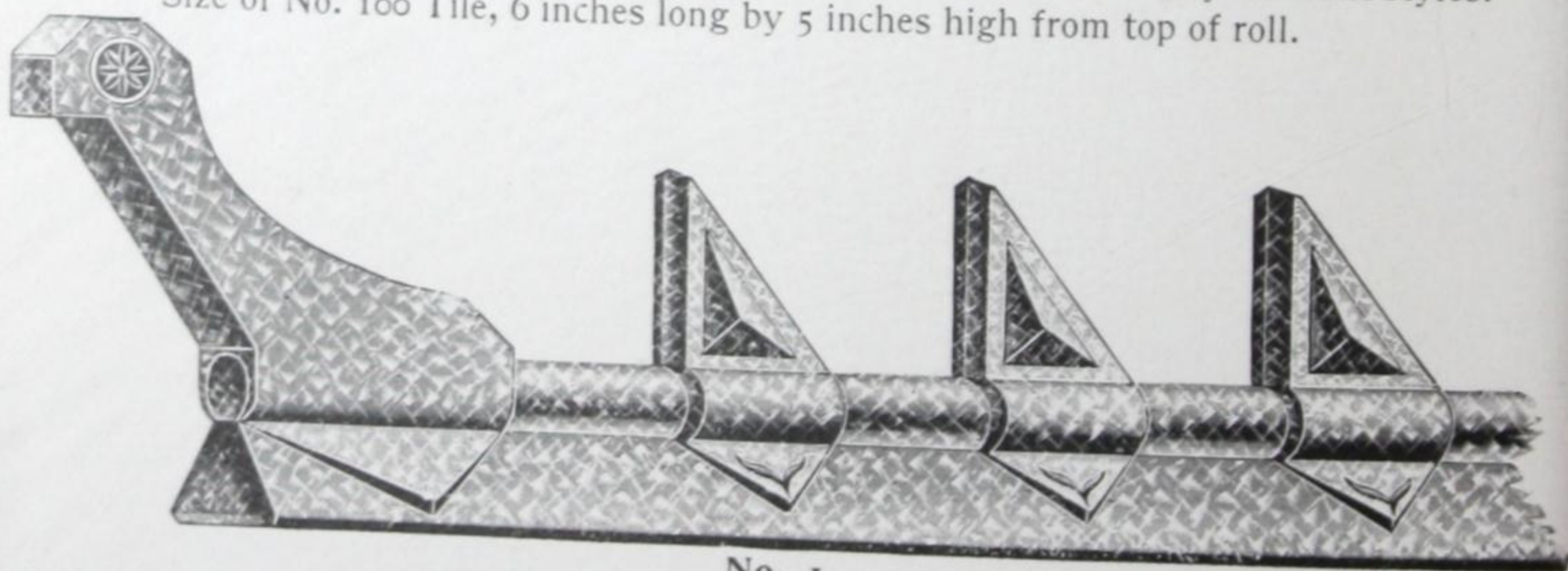
MADE OF GALVANIZED IRON TO FIT TWO (2) INCH RIDGE ROLL.

ON A BUILDING ARE THE COUNTERPART OF A FINELY FINISHED TERRA COTTA.

### The Only Adjustable Cresting Block Made.

This Cresting Block is intended to meet the requirements of Roofers, Contractors and Builders for a cheap Ornamental Ridge Cresting, and will be found to be the cheapest Cresting Block on the market. In using this Block it is not intended that it should be soldered to the ridge roll, but simply slipped over top of the roll and, after spacing as required, nail through lower flange of Block, using a small wire nail for this purpose. The nail used in fastening Cresting Block also answers for the purpose of holding ridge roll in position on the roof.

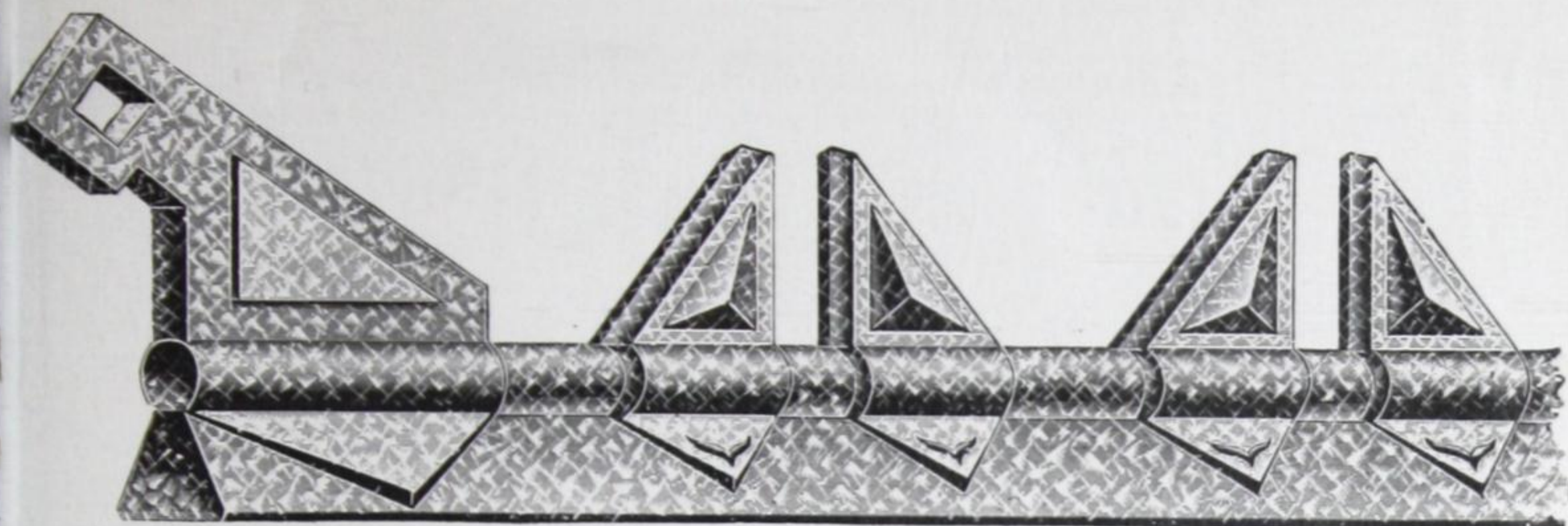
Following cuts show No. 100 Tile placed on ridging in five different positions, each imparting a different appearance. Can be placed so as to show over 20 different forms upon the ridging, thus answering the purpose of so many different styles. Size of No. 100 Tile, 6 inches long by 5 inches high from top of roll.



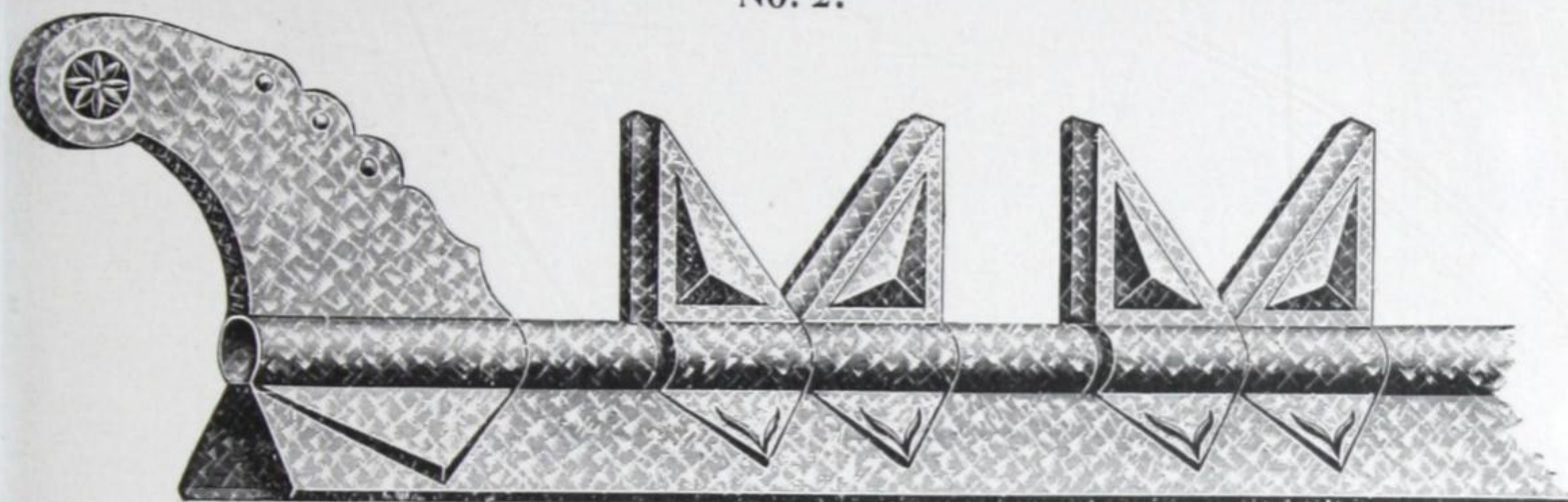
No. 1.

PRICE  
LIST.

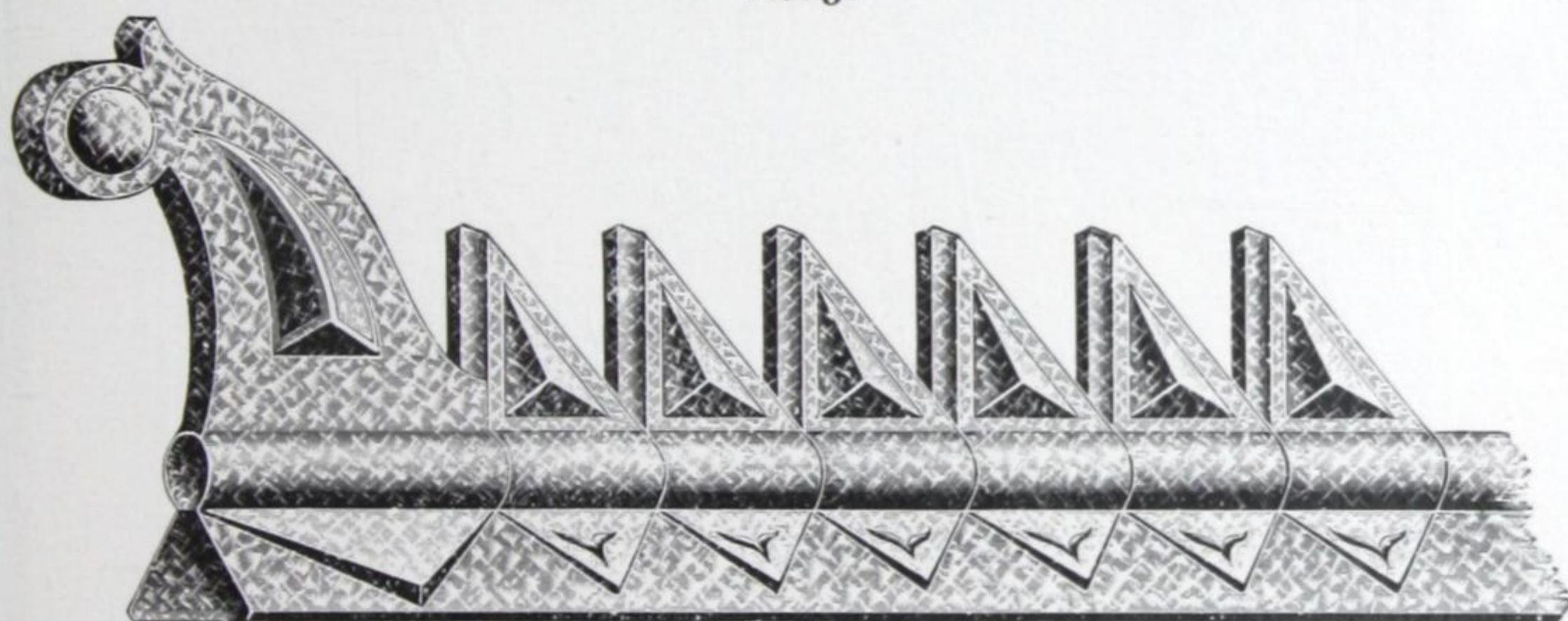




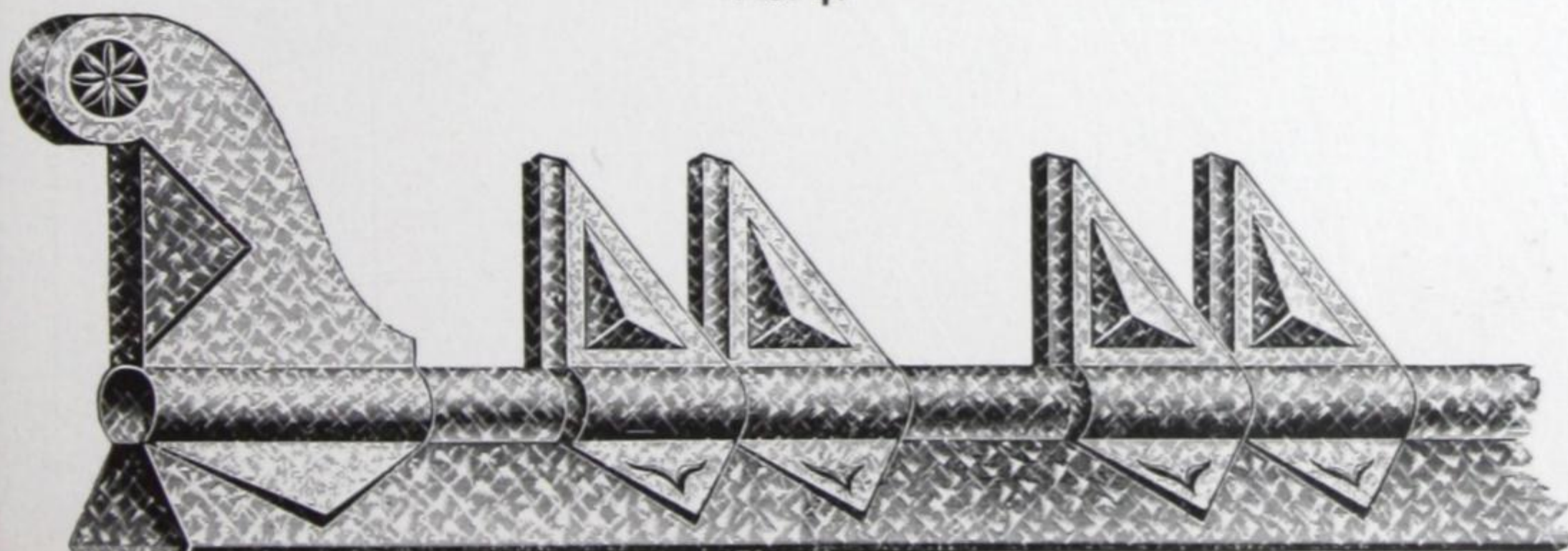
No. 2.



No. 3.



No. 4.



No. 5.

PRICE LIST.	No. 100, Galvanized Cresting Block, per 100-----	\$12.00
	No. 1, Galvanized Finial, 13½ inches high-----	1.00
	No. 2 and 3, Galvanized Finials, 11 inches high, each-----	1.20
	No. 4 and 5, Galvanized Finials, 13 inches high, each-----	1.35
DISCOUNT-----		Per Cent.

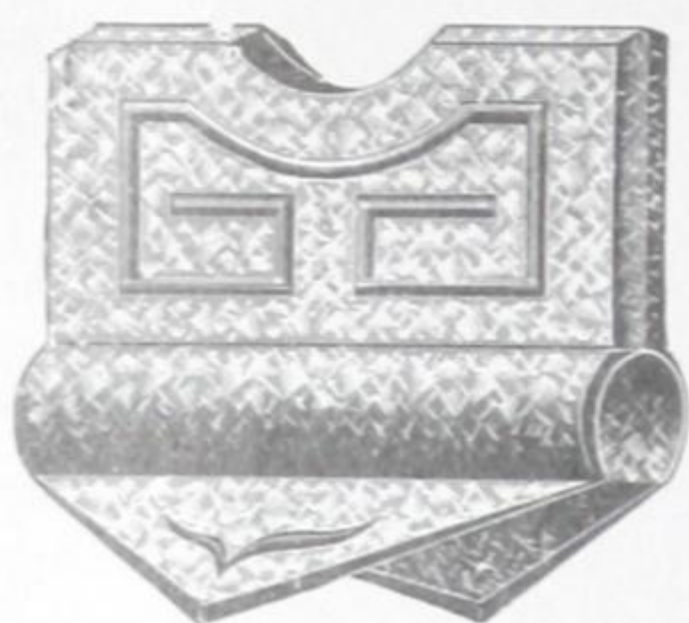


## Metallic Cresting Blocks.

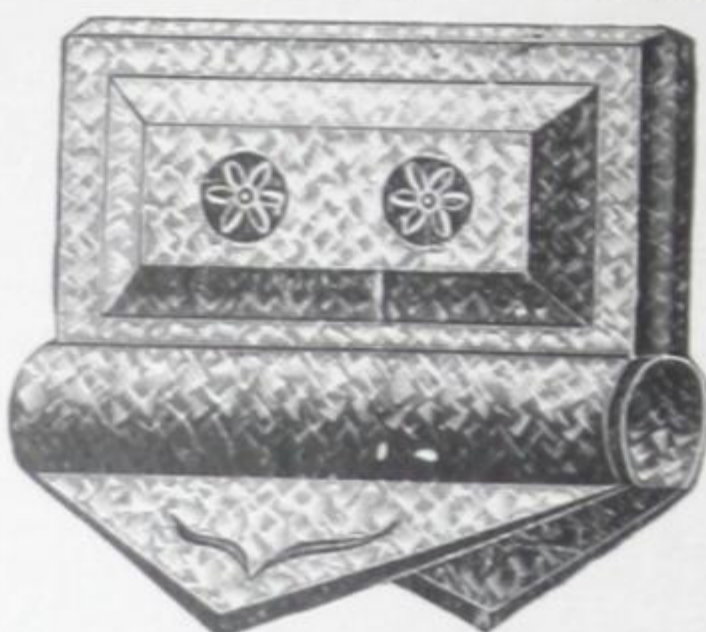
Copyrighted.

The Cresting Blocks as shown herewith are entirely new and original in design and made of Galvanized Iron to fit 2-inch Ridge Roll. Are applied in same manner as No. 100 Block, pages 34 and 35.

SIZE OF BLOCKS.—8 inches long by 5 inches high from top of roll.



No. 4084, each-----33 cts.



No. 4053, each-----33 cts.



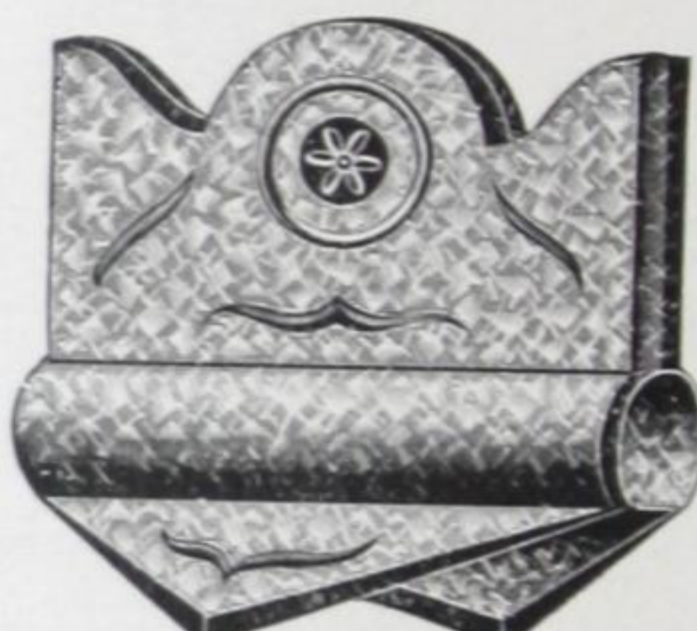
No. 4067, each-----33 cts.



No. 4085, each-----33 cts.



No. 4088, each-----33 cts.



No. 4089, each-----33 cts.



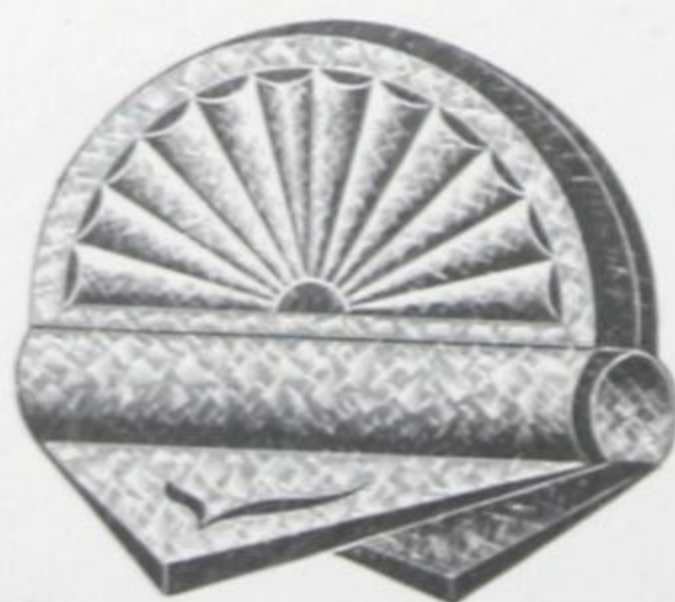
No. 4083, each-----35 cts.



No. 4069, each-----35 cts.



No. 4086, each-----35 cts.



No. 4054, each-----35 cts.



No. 4068, each-----38 cts.



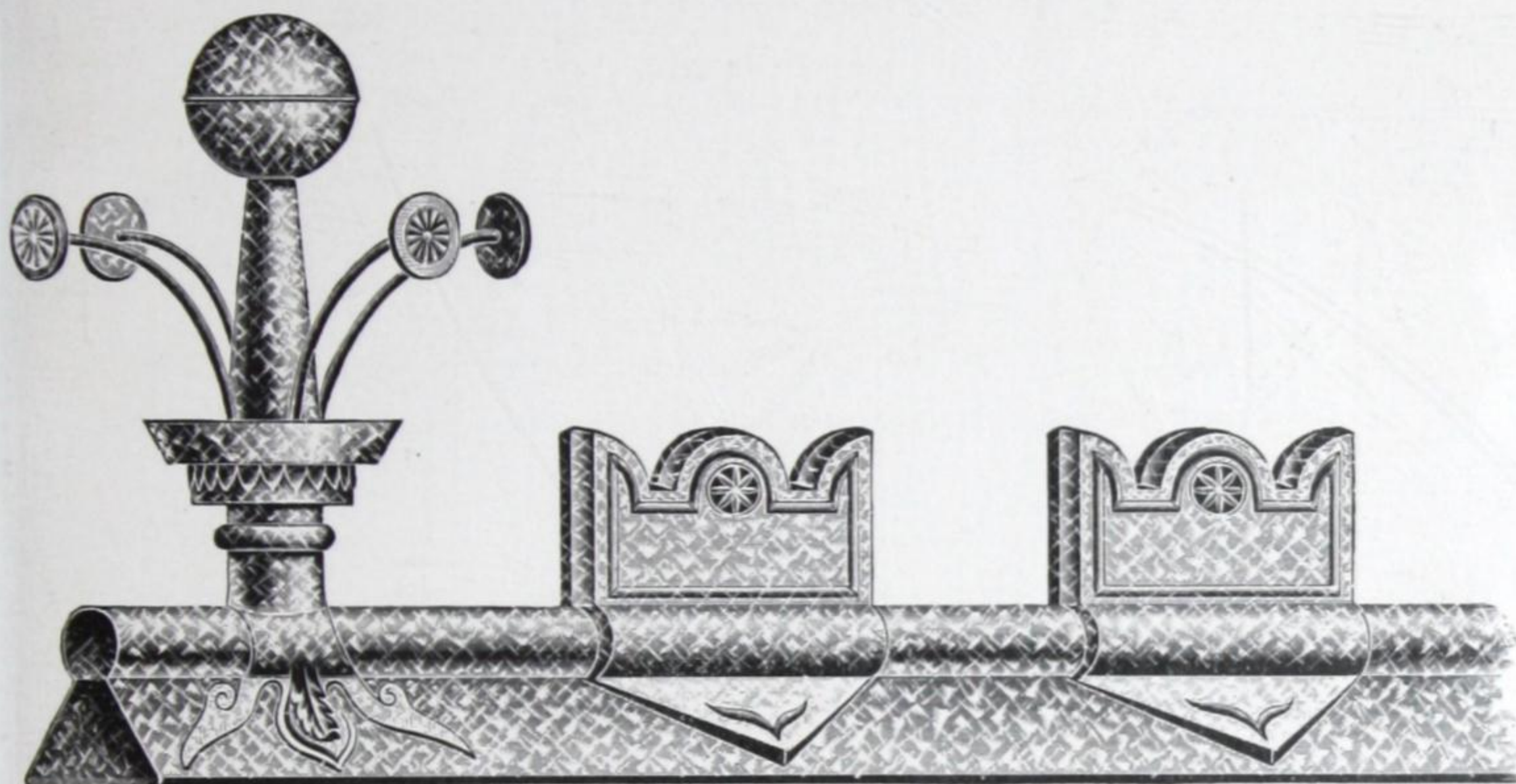
No. 4055, each-----38 cts.

DISCOUNT-----Per Cent.

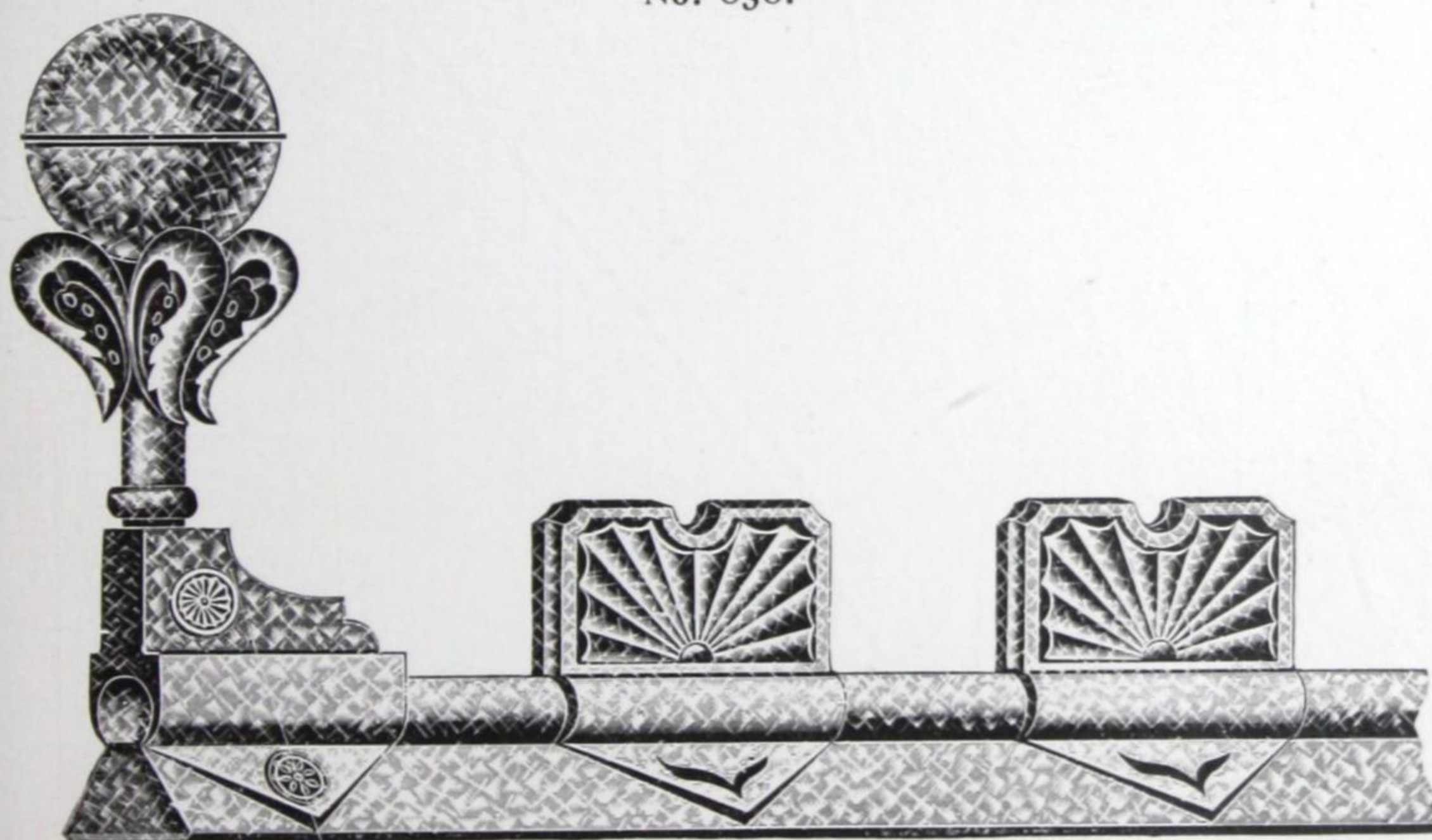


# Cresting Blocks,

AS APPLIED TO RIDGE ROLL.



No. 858.



No. 856.

## PRICE LIST.

No. 858, Galvanized Finial, 2 ft. 6 inches high	-----	-----	\$6.00
No. 856, Galvanized Finial, 2 ft. 8 inches high	-----	-----	6.00

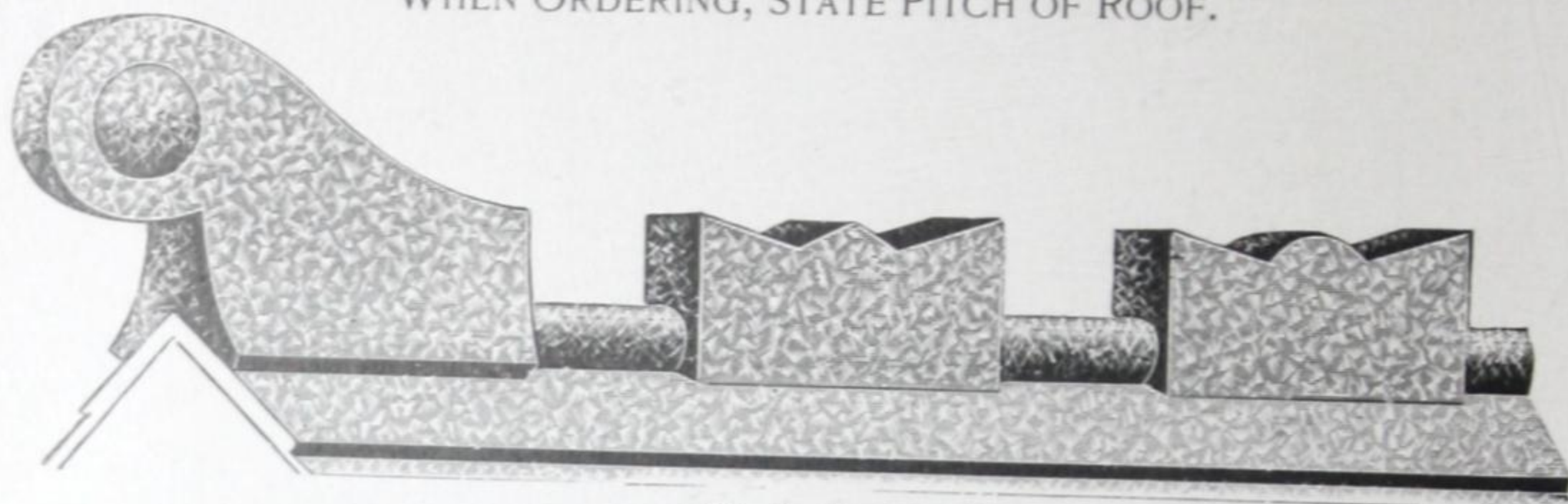
DISCOUNT-----Per Cent.



## PRICE LIST

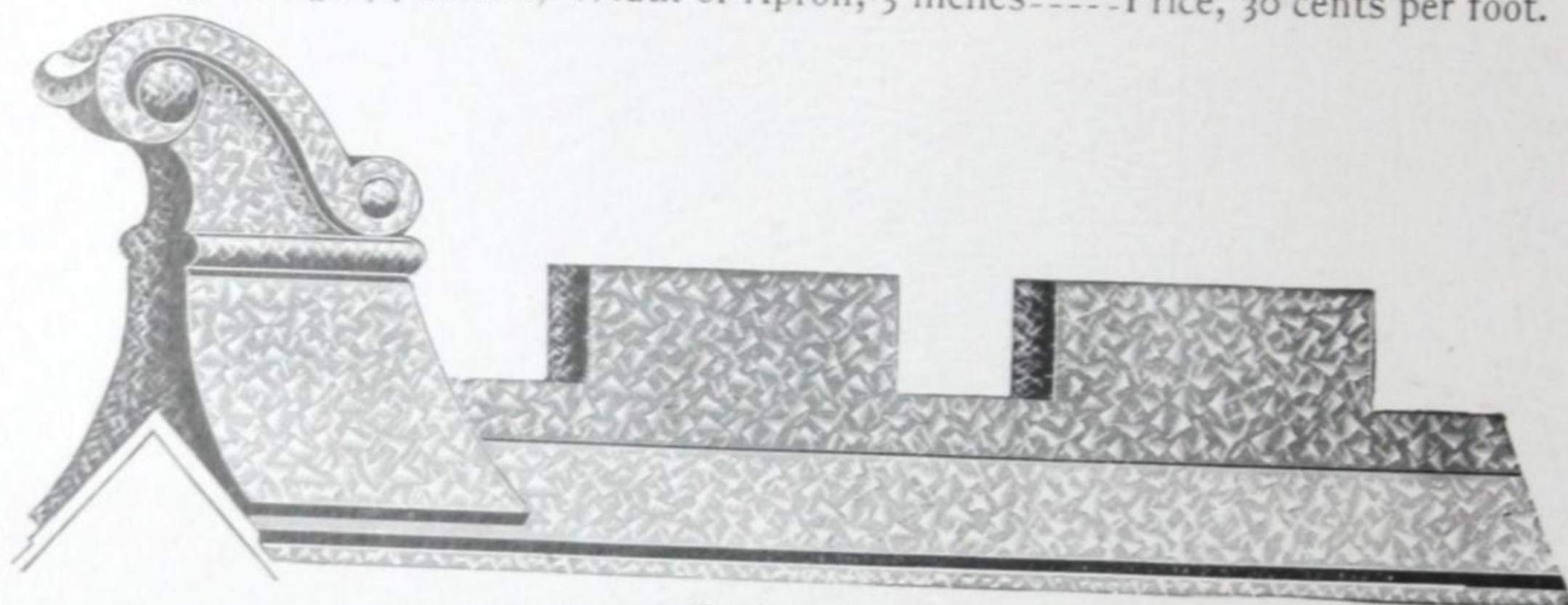
## Galvanized Iron Crestings.

WHEN ORDERING, STATE PITCH OF ROOF.



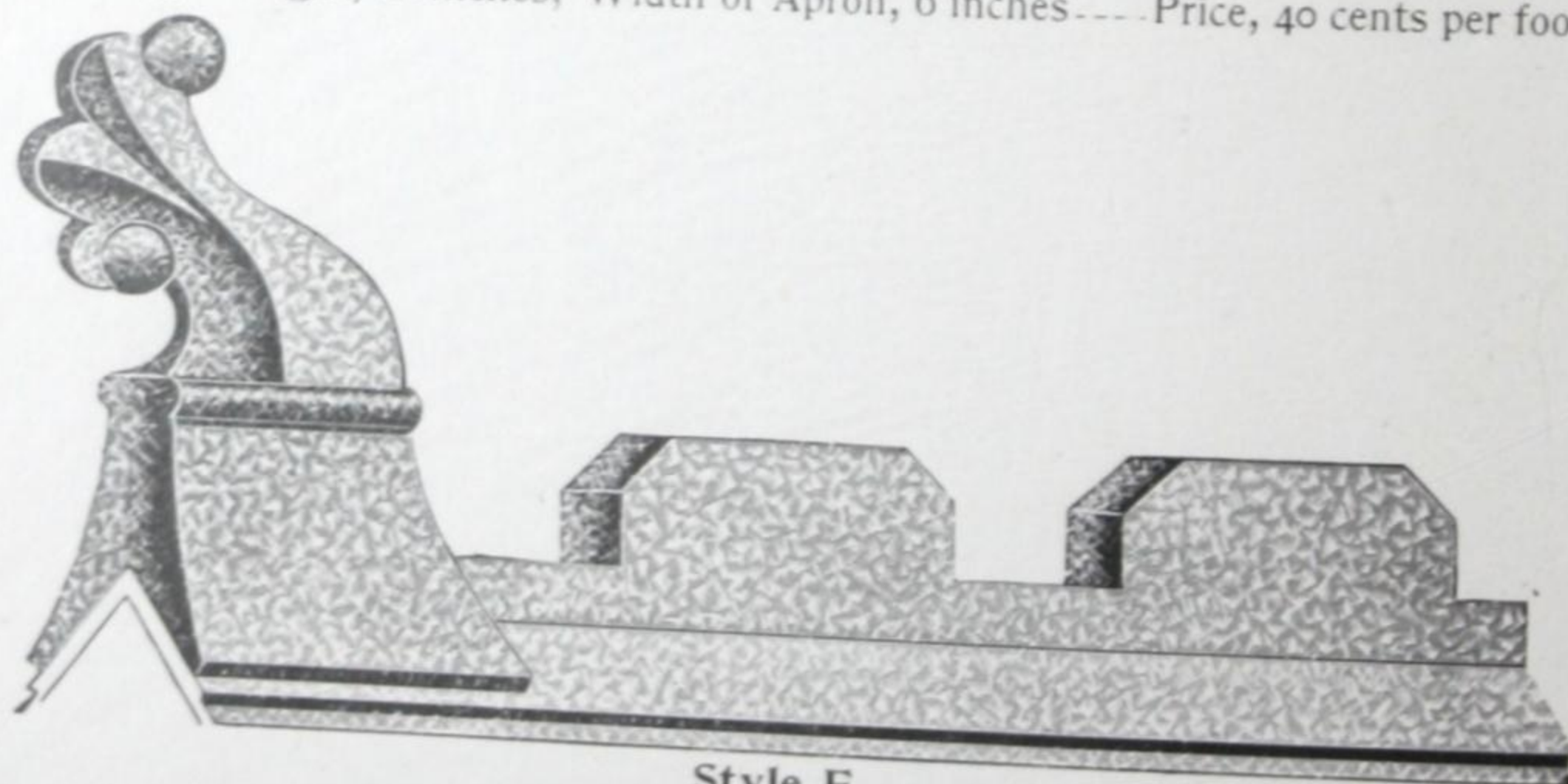
Style D.

Cresting—Height, 7 inches; Width of Apron, 3 inches-----Price, 30 cents per foot.



Style E.

Cresting—Height, 11 inches; Width of Apron, 6 inches----Price, 40 cents per foot.



Style F.

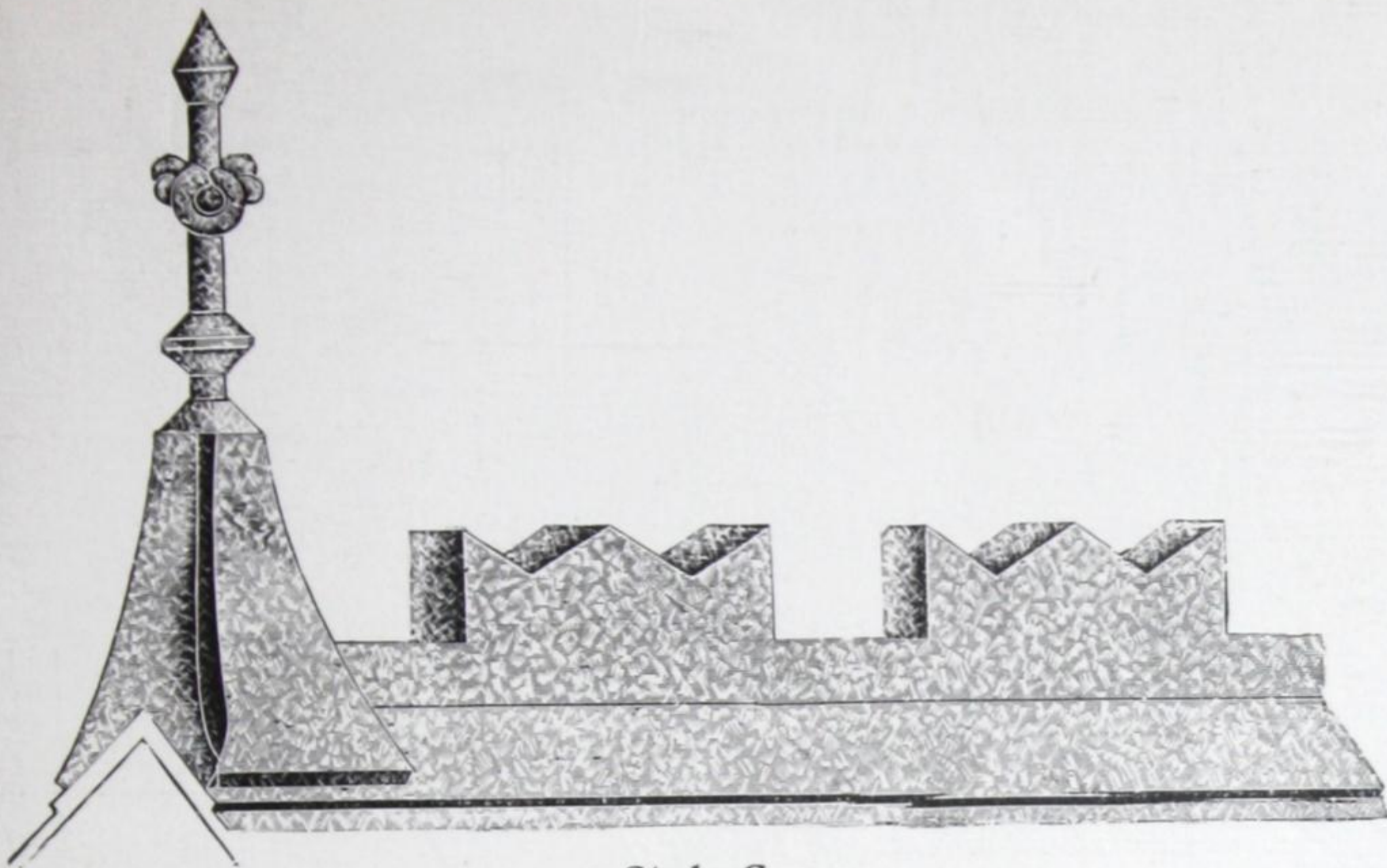
Cresting—Height, 11 inches; Width of Apron, 6 inches-----Price, 44 cents per foot.

DISCOUNT-----

Per Cent.

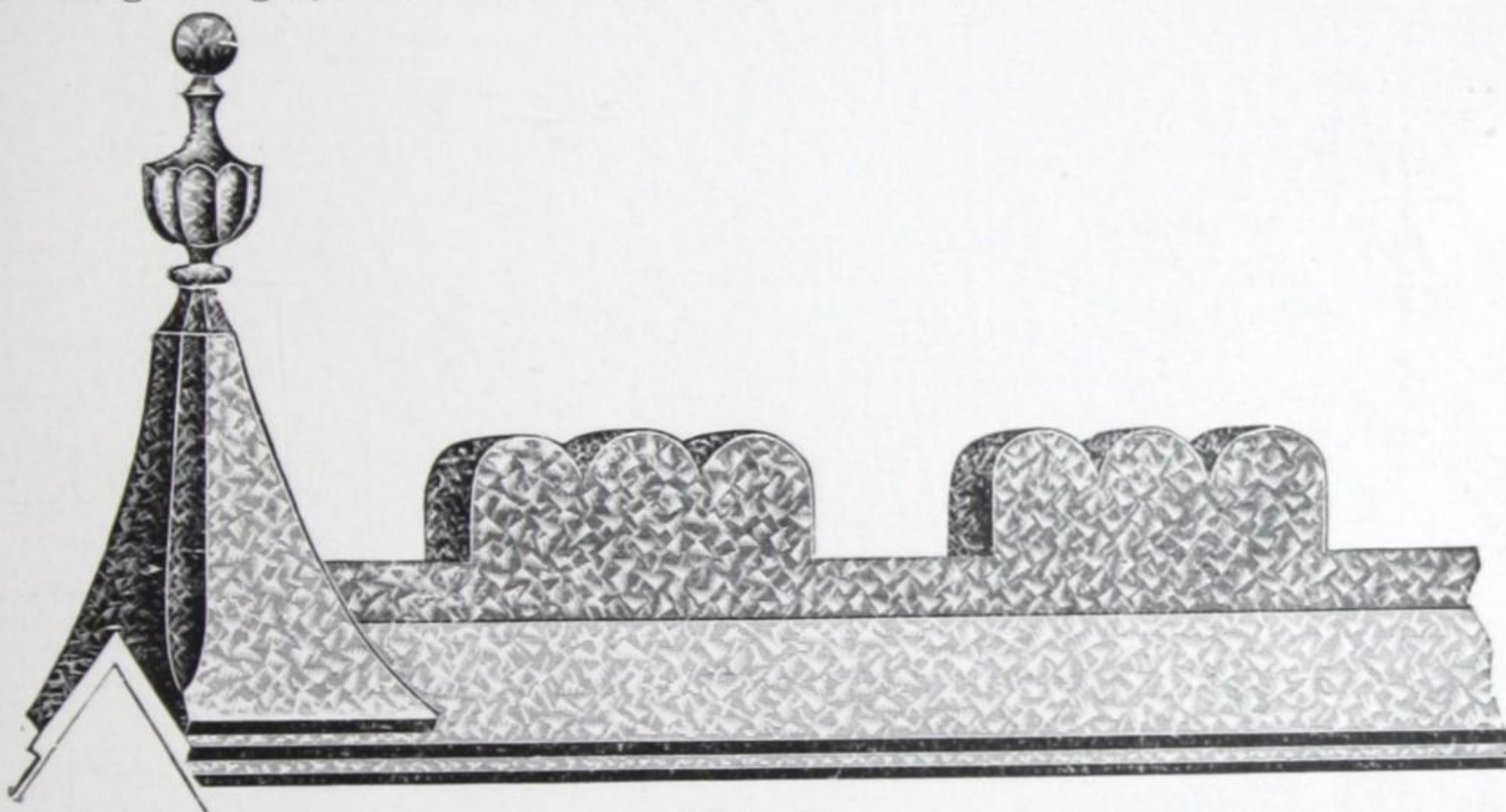
Price List of Finials on page 42.





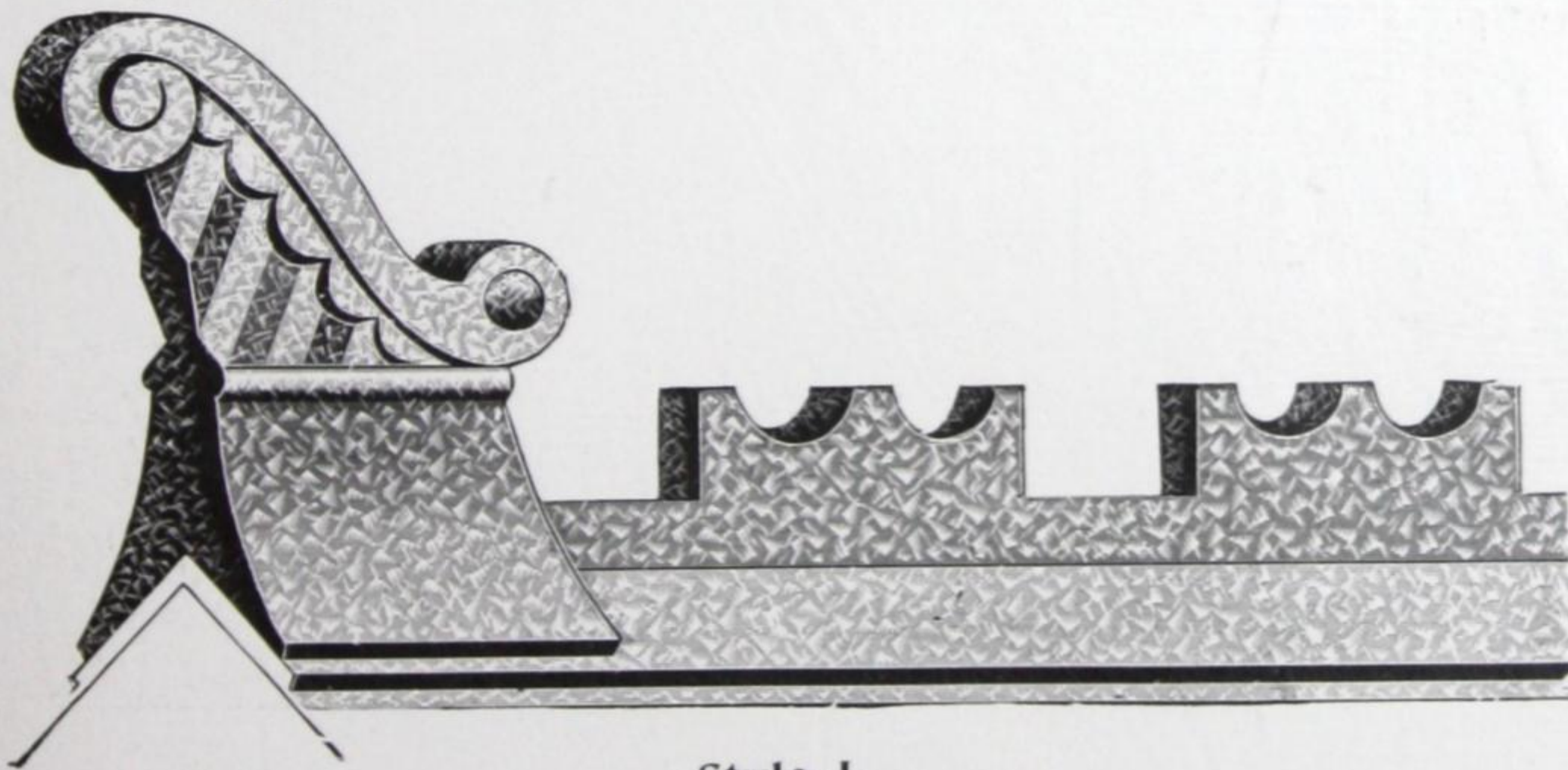
**Style G.**

Cresting—Height, 11 inches; Width of Apron, 6 inches----Price, 46 cents per foot.



**Style H.**

Cresting—Height, 11 inches; Width of Apron, 6 inches----Price, 48 cents per foot.

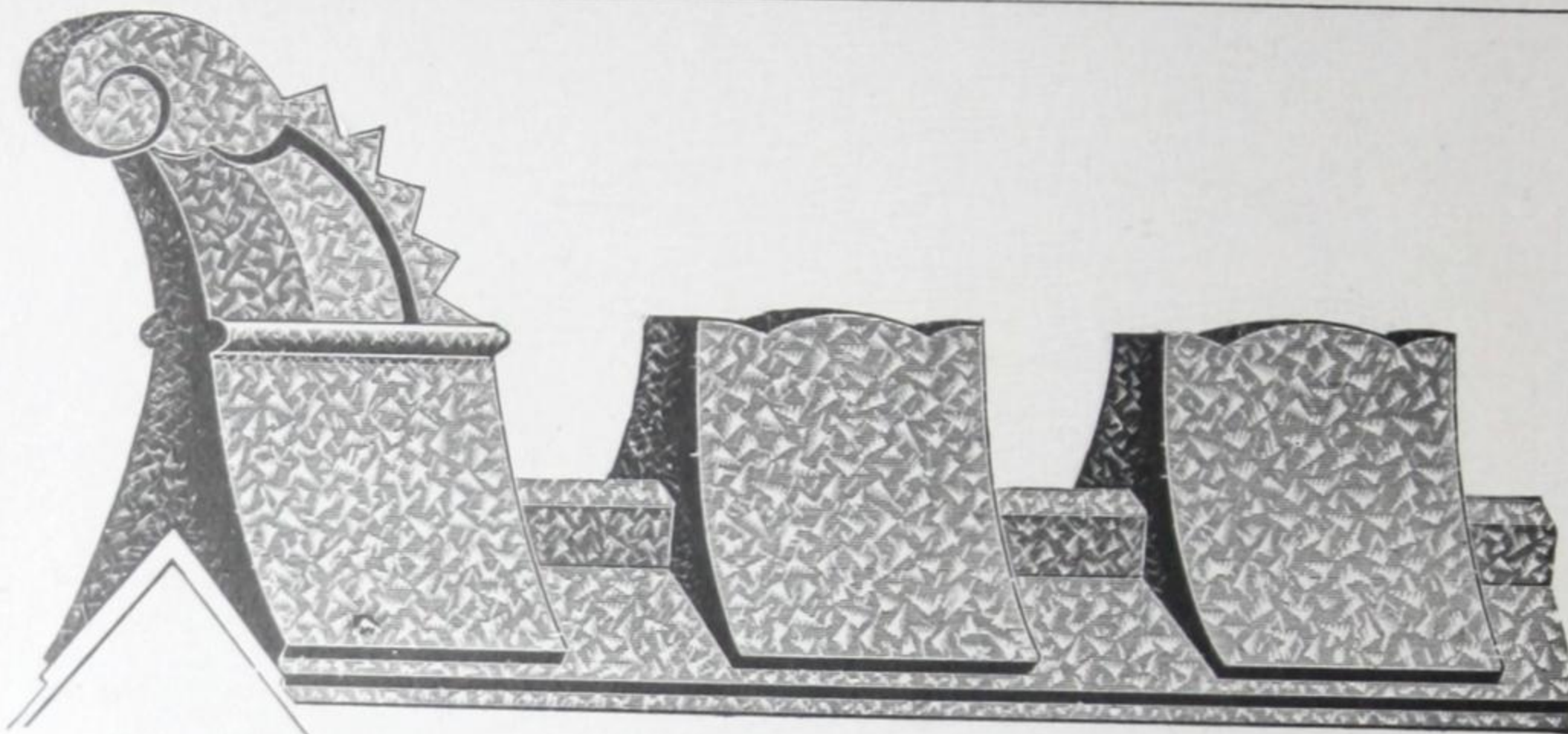


**Style J.**

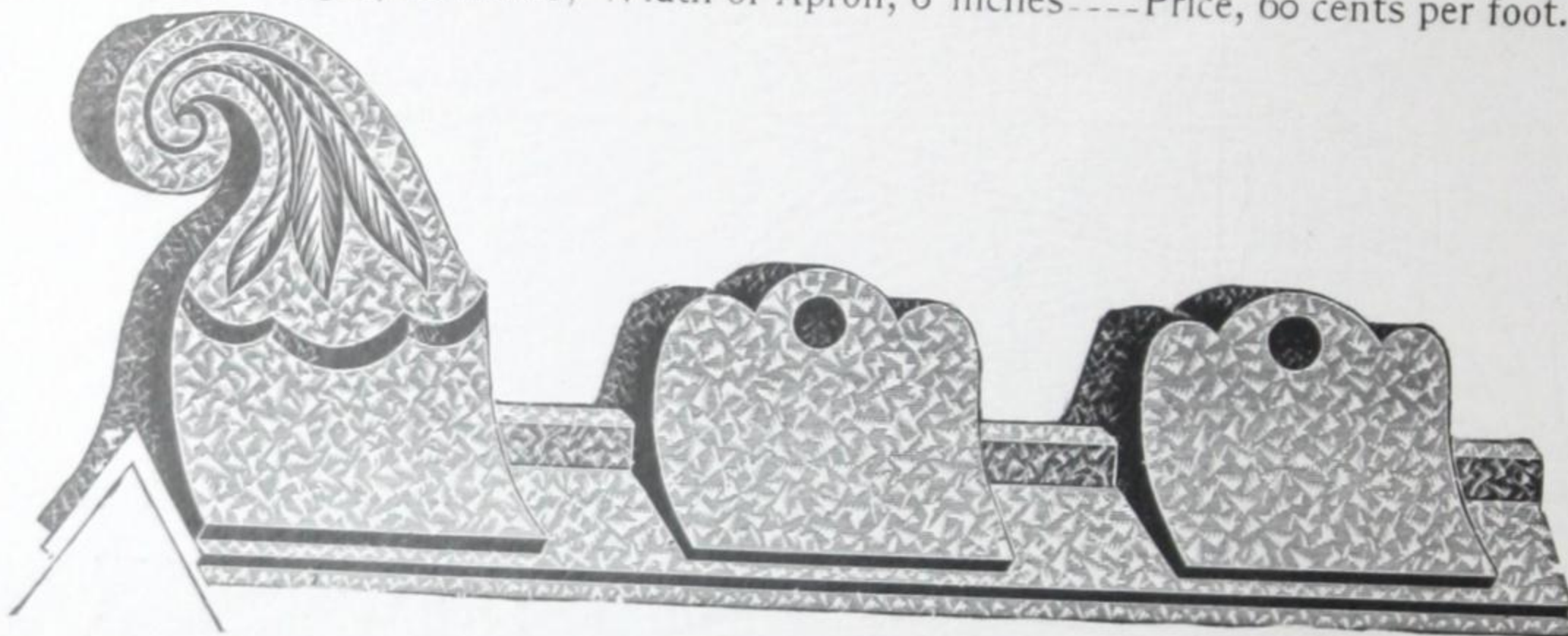
Cresting—Height, 11 inches; Width of Apron, 6 inches----Price, 48 cents per foot.

DISCOUNT-----Per Cent.

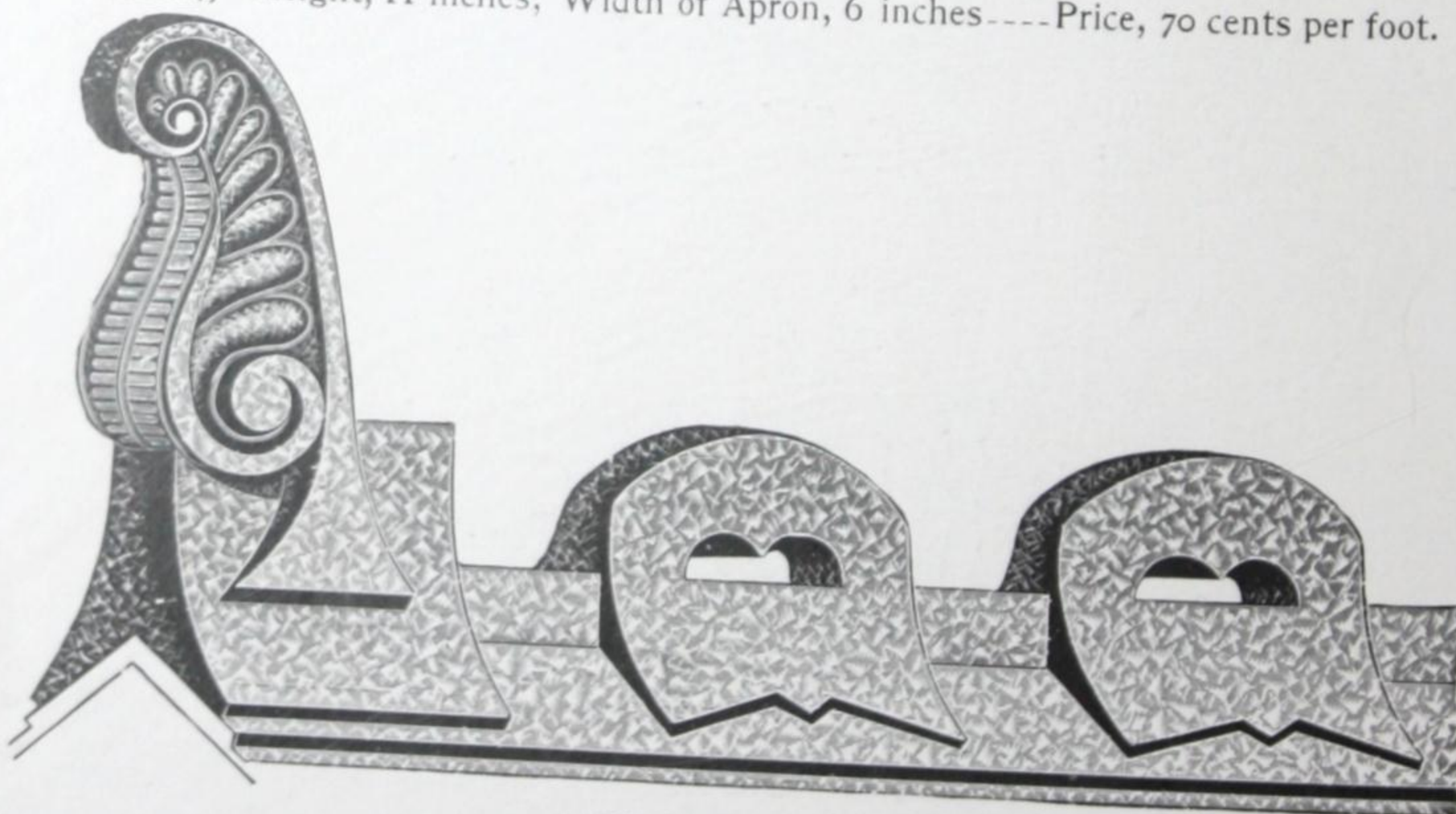


**Style K.**

Cresting—Height, 10 inches; Width of Apron, 6 inches----Price, 60 cents per foot.

**Style L.**

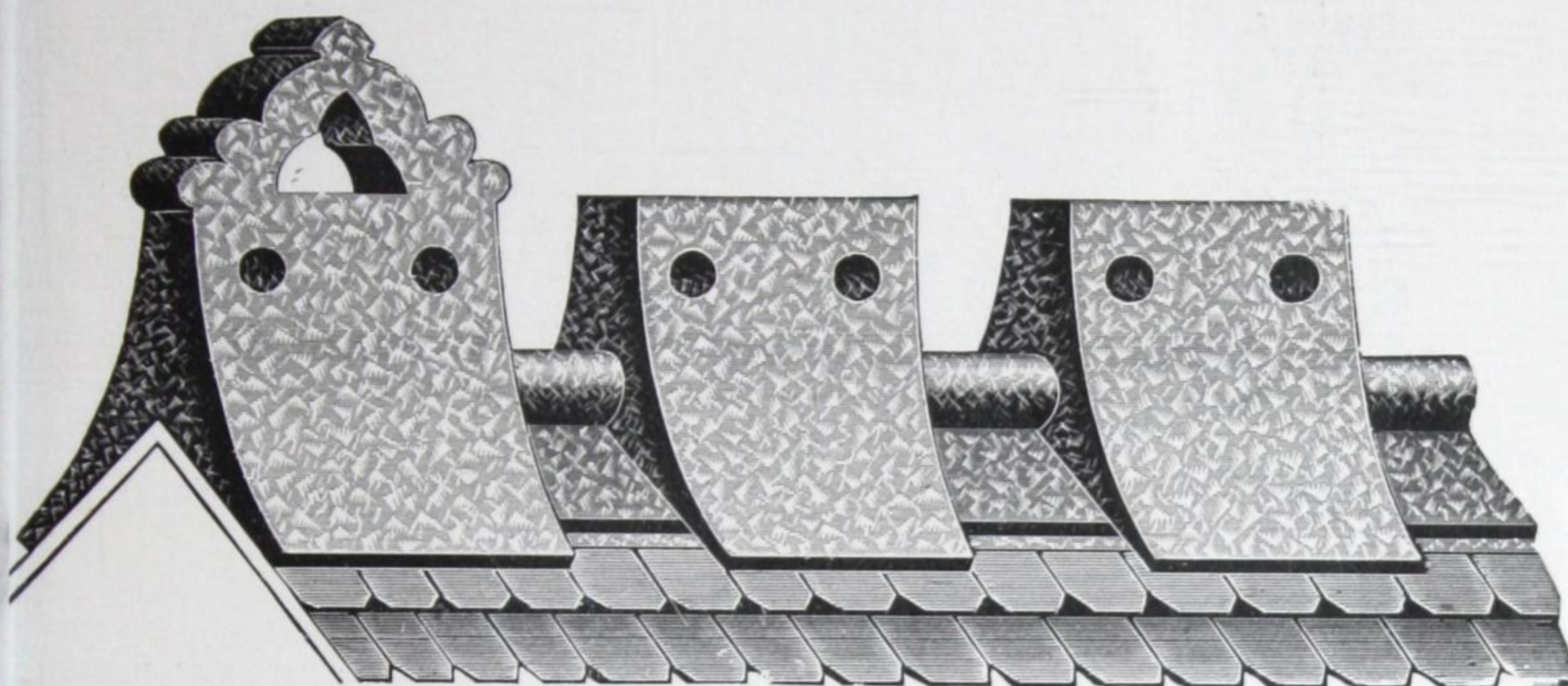
Cresting—Height, 11 inches; Width of Apron, 6 inches----Price, 70 cents per foot.

**Style M.**

Cresting—Height, 11½ inches; Width of Apron, 6 inches---Price, 80 cents per foot.  
 Price List of Finials on page 42.

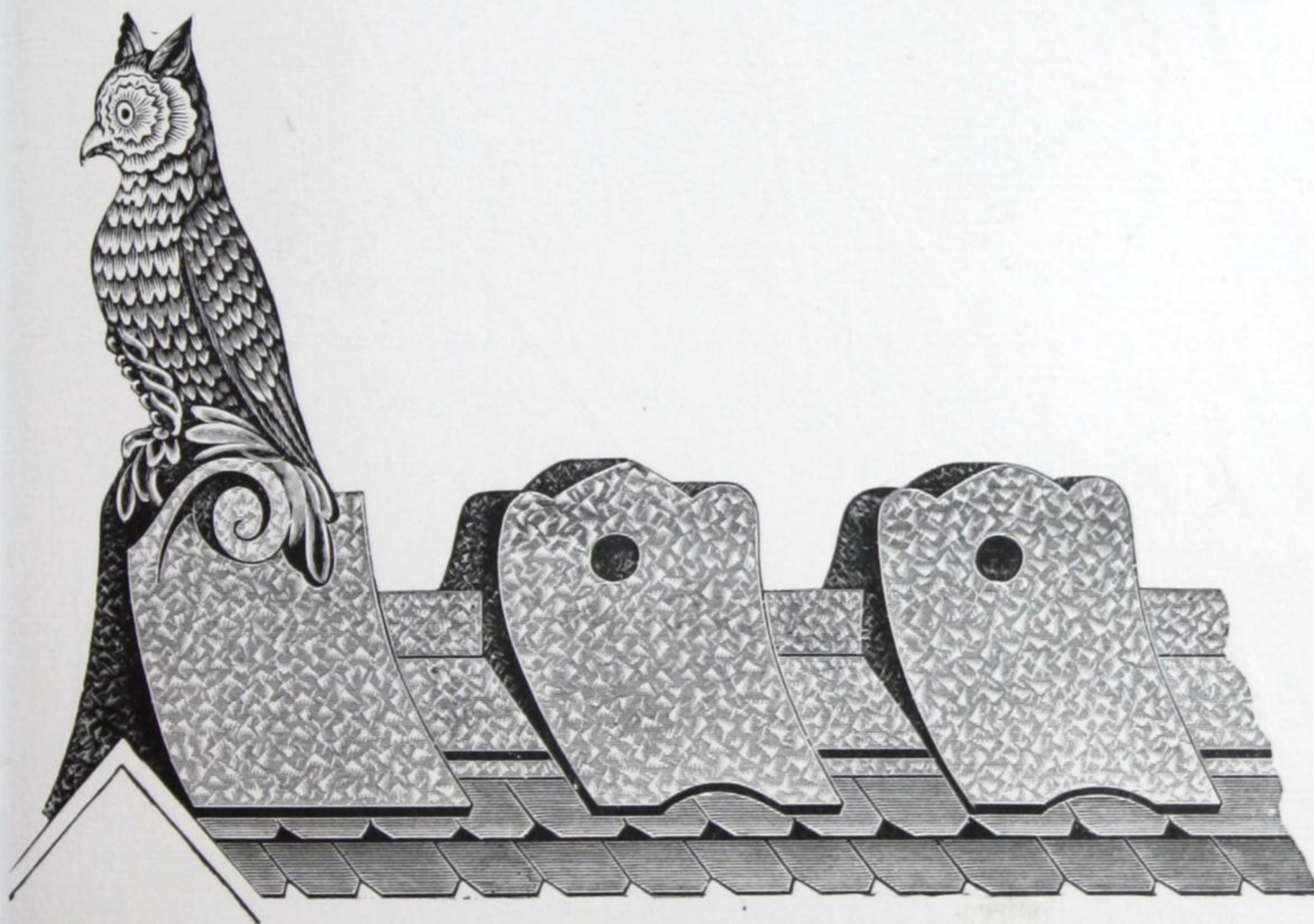
DISCOUNT-----Per Cent.





**Style N.**


Cresting—Height, 12 inches; Width of Apron, 6 inches----Price, 90 cents per foot.



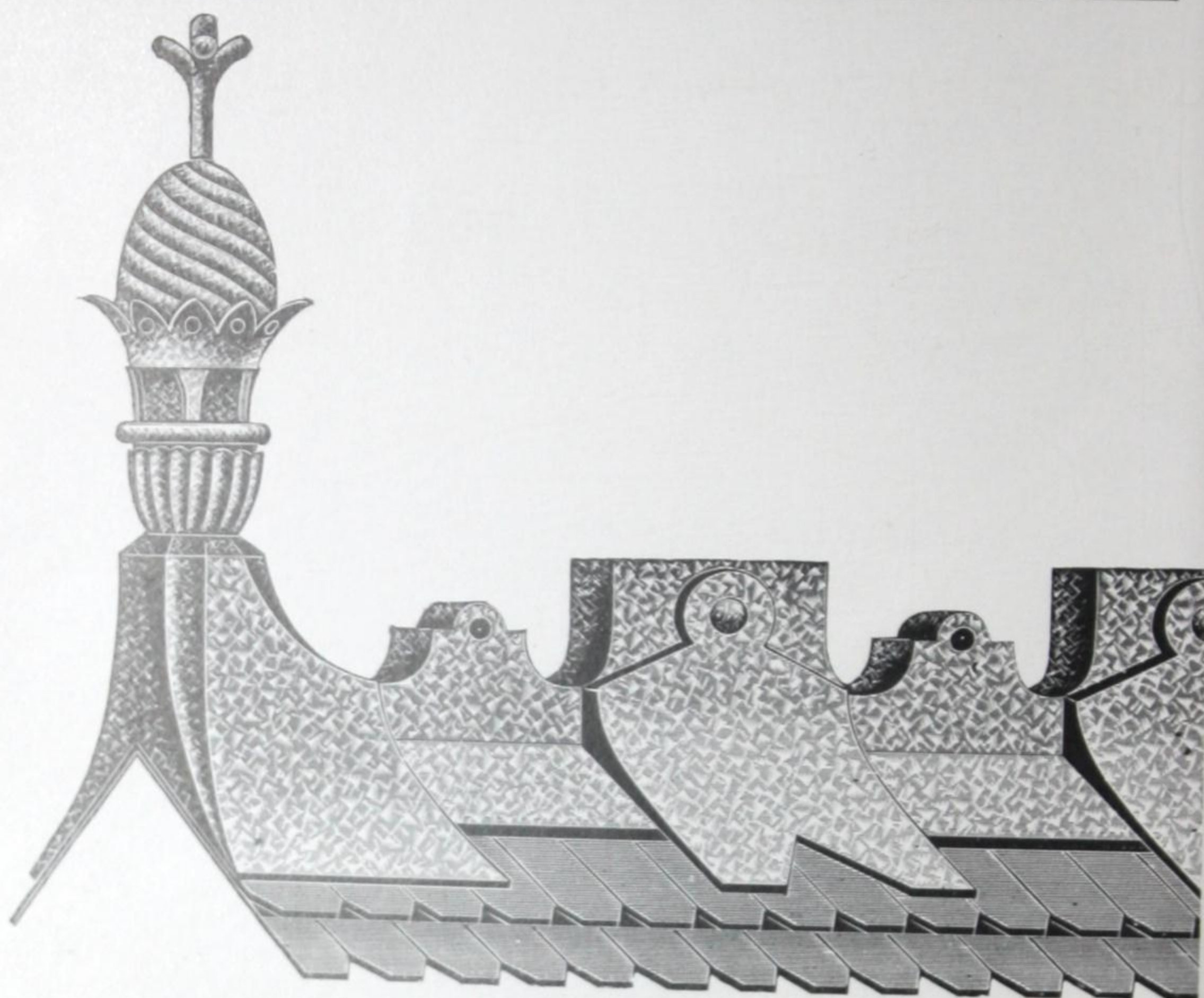
**Style O.**

Cresting—Height, 12 inches; Width of Apron, 6 inches-----Price, \$1.00 per foot.

DISCOUNT-----Per Cent.

 Price List of Finials on page 42.





Style P.

Cresting—Height, 12 inches; Width of Apron, 5 inches-----Price, \$1.20 per foot.

**CRATING CHARGED FOR AT COST.**

DISCOUNT-----Per Cent.

### PRICE LIST OF FINIALS FOR CRESTINGS.

Style D—Galvanized Finial, Height 10½ inches, each	\$ 1.25
Style E—Galvanized Finial, Height 18 inches, each	2.00
Style F—Galvanized Finial, Height 22 inches, each	2.00
Style G—Galvanized Finial, Height 29 inches, each	2.25
Style H—Galvanized Finial, Height 25 inches, each	2.40
Style J—Galvanized Finial, Height 22 inches, each	3.00
Style K—Galvanized Finial, Height 16½ inches, each	2.00
Style L—Galvanized Finial, Height 20 inches, each	2.50
Style M—Galvanized Finial, Height 30 inches, each	8.00
Style N—Galvanized Finial, Height 20 inches, each	3.00
Style O—Galvanized Finial, Height 35 inches, each	16.00
Style P—Galvanized Finial, Height 35 inches, each	10.00

DISCOUNT-----Per Cent.



# Malleable Iron Crestings and Finials

We warrant all our Crestings and Finials, and if any are broken in transportation we will replace them. Do not compare with Cast Iron, which cannot be recommended.

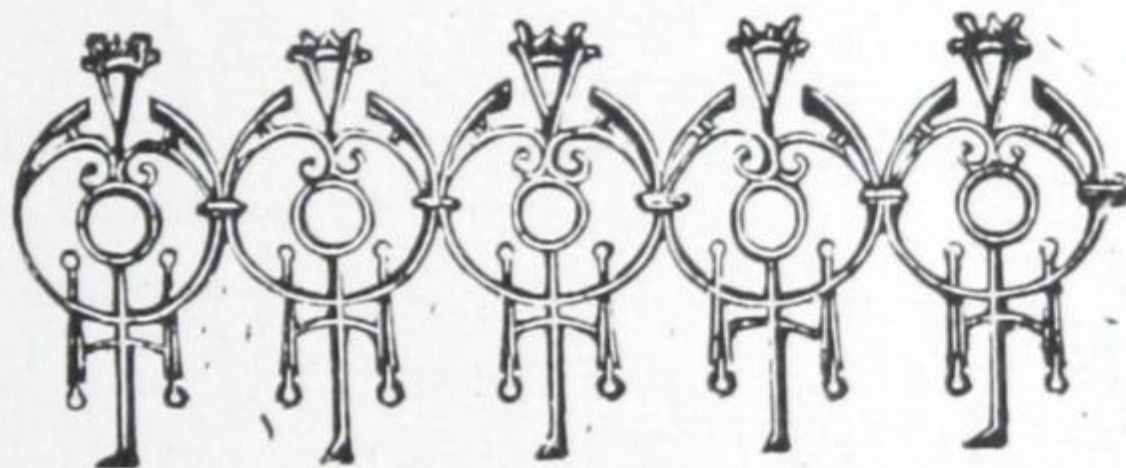
## IN ORDERING

State whether Cresting is for level or ridge roof; send diagram of roof, marking all distances carefully, and note where Finials are desired.



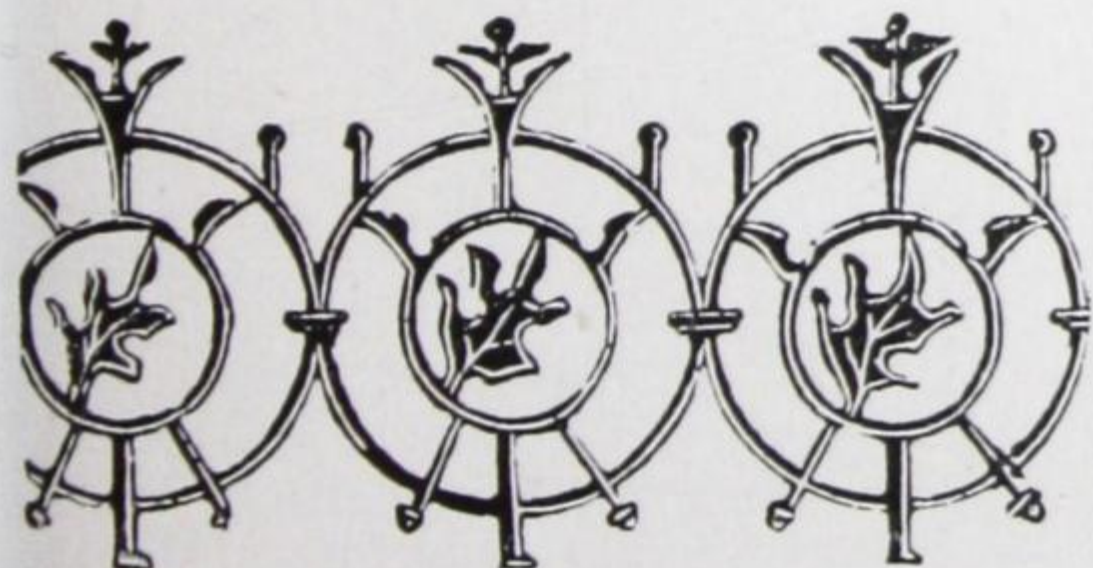
No. 1.—12 in. high. Price per foot----\$ .30

No. 1.—15 in. high. Price per foot---- .30



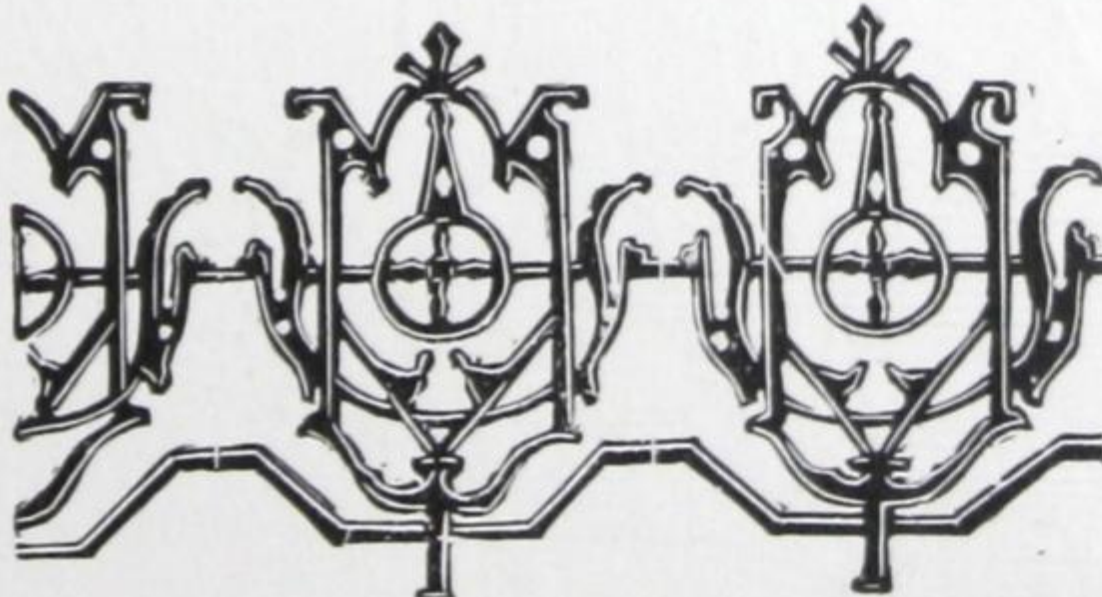
No. 2.—15 in. high. Price per foot----\$ .30

No. 2.—18 in. high. Price per foot---- .35



No. 3.—15 in. high. Price per foot----\$ .30

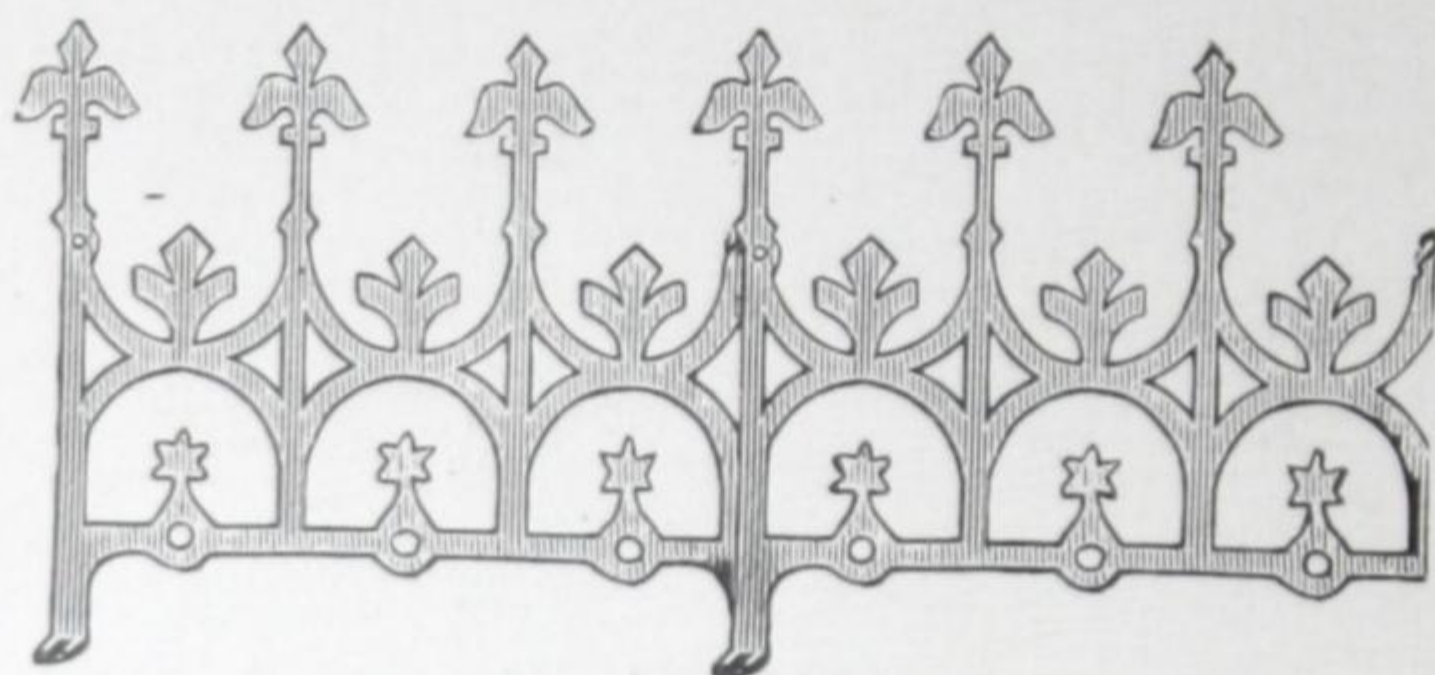
No. 3.—18 in. high. Price per foot---- .35



No. 4.—12 in. high. Price per foot----\$ .30

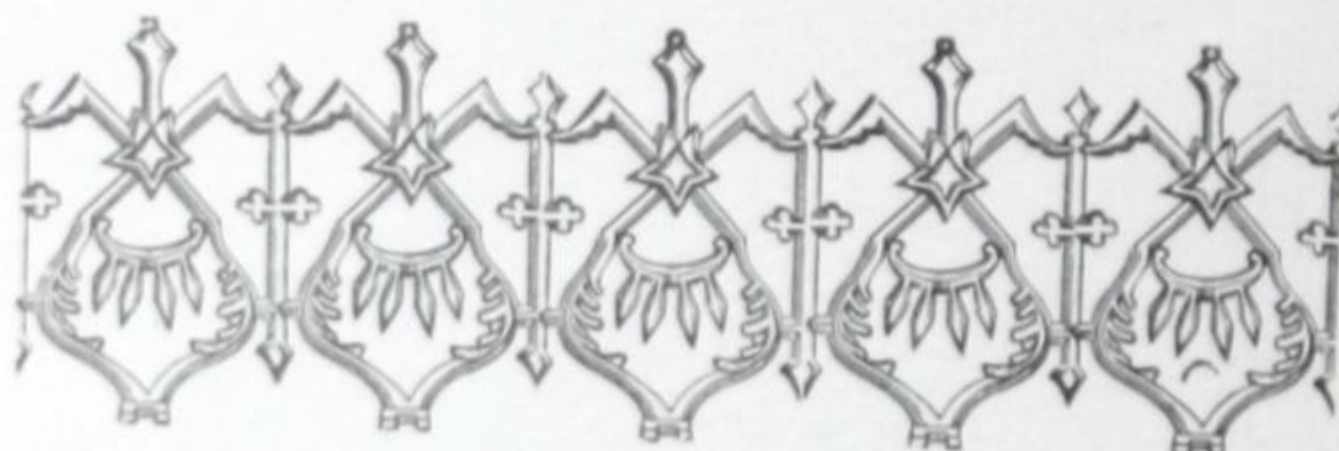
No. 4.—14 in. high. Price per foot---- .35



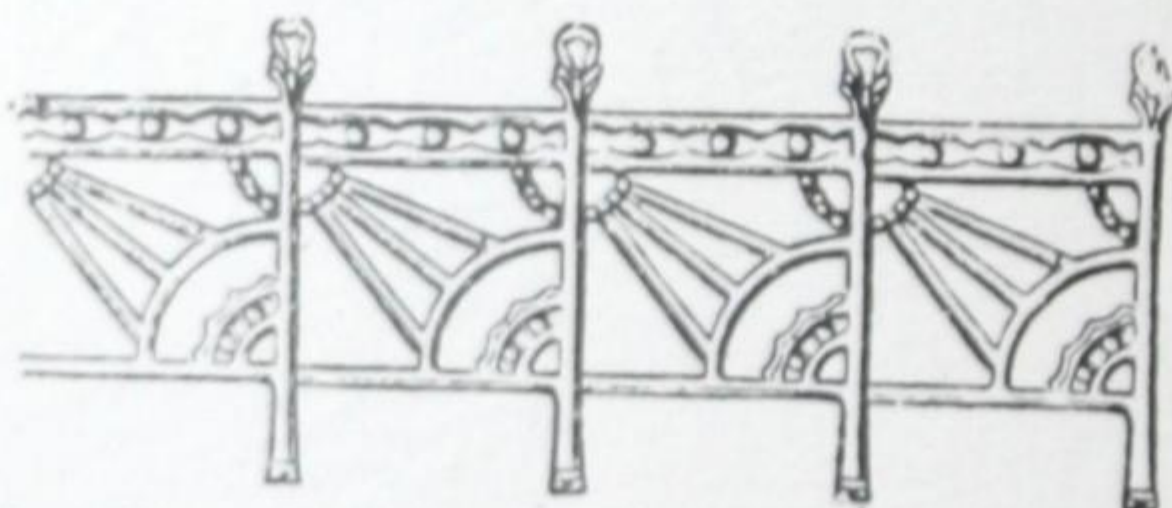


No. 14.—12 in. high. Price per foot-----\$ .30

No. 14.—15 in. high. Price per foot----- .35



No. 16.—9 in. high. Price per foot-----\$ .30

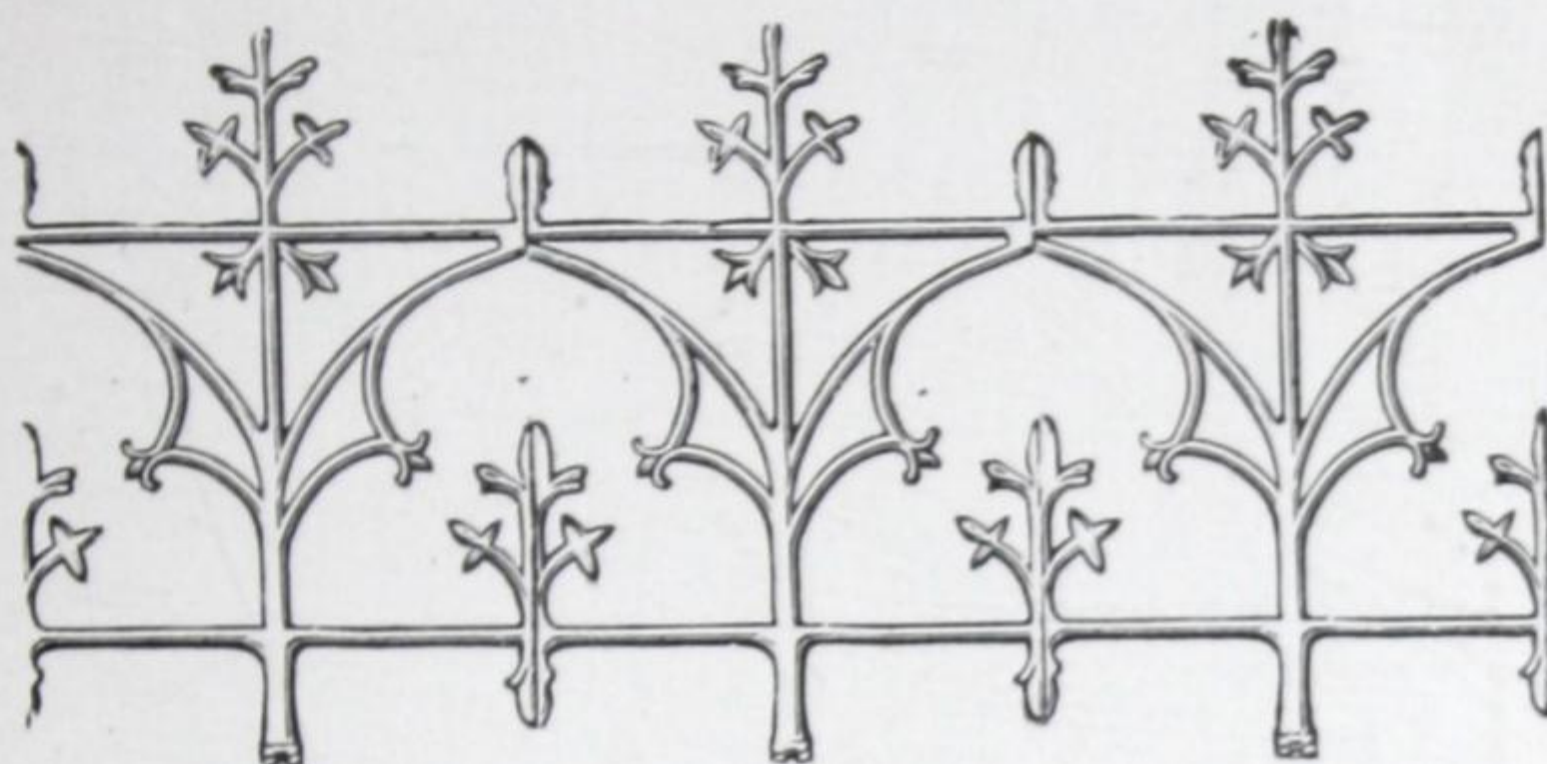


No. 18.—15 in. high. Price per foot-----\$ .40

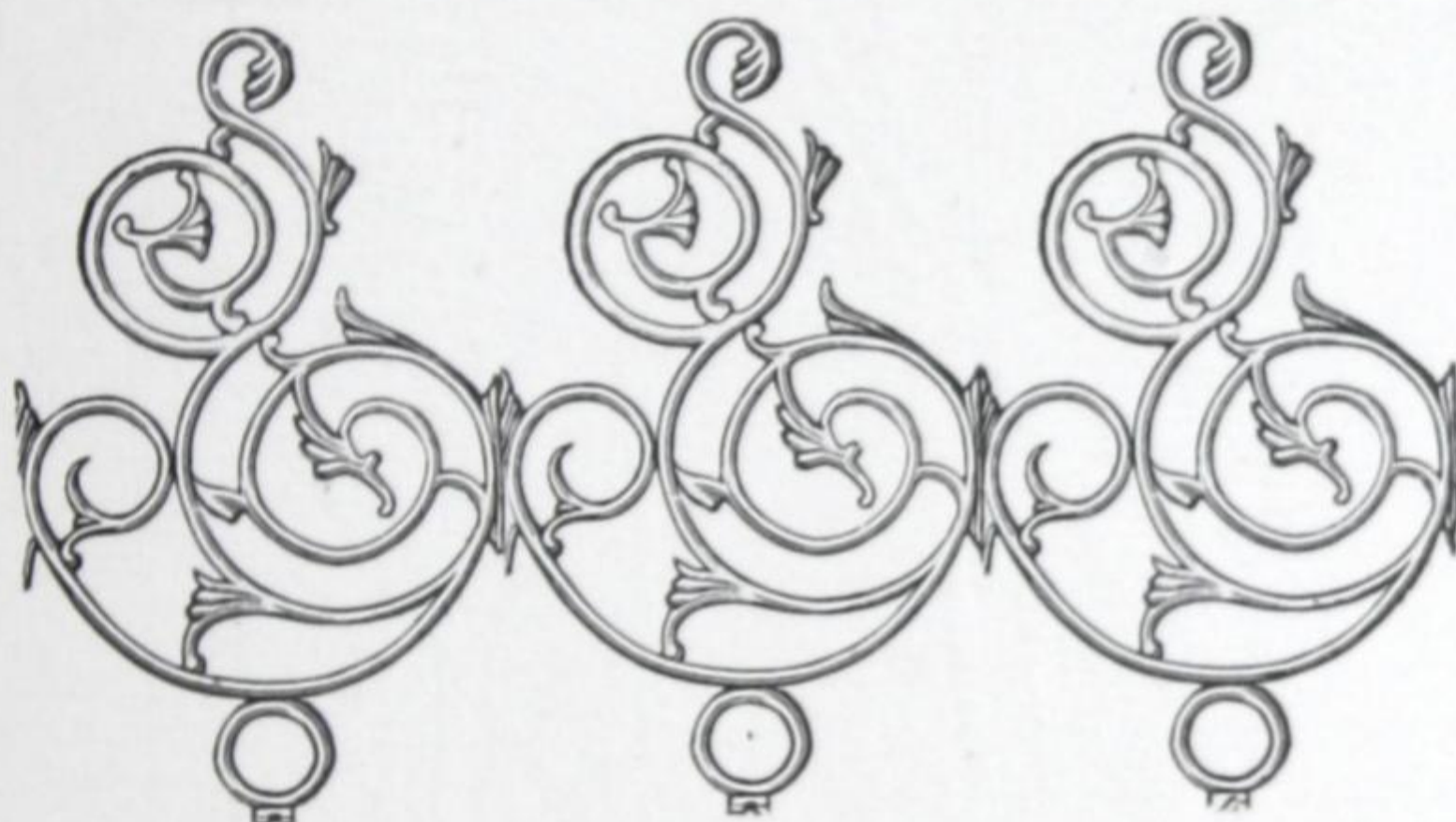


No. 25.—18 in. high. Price per foot-----\$ .40

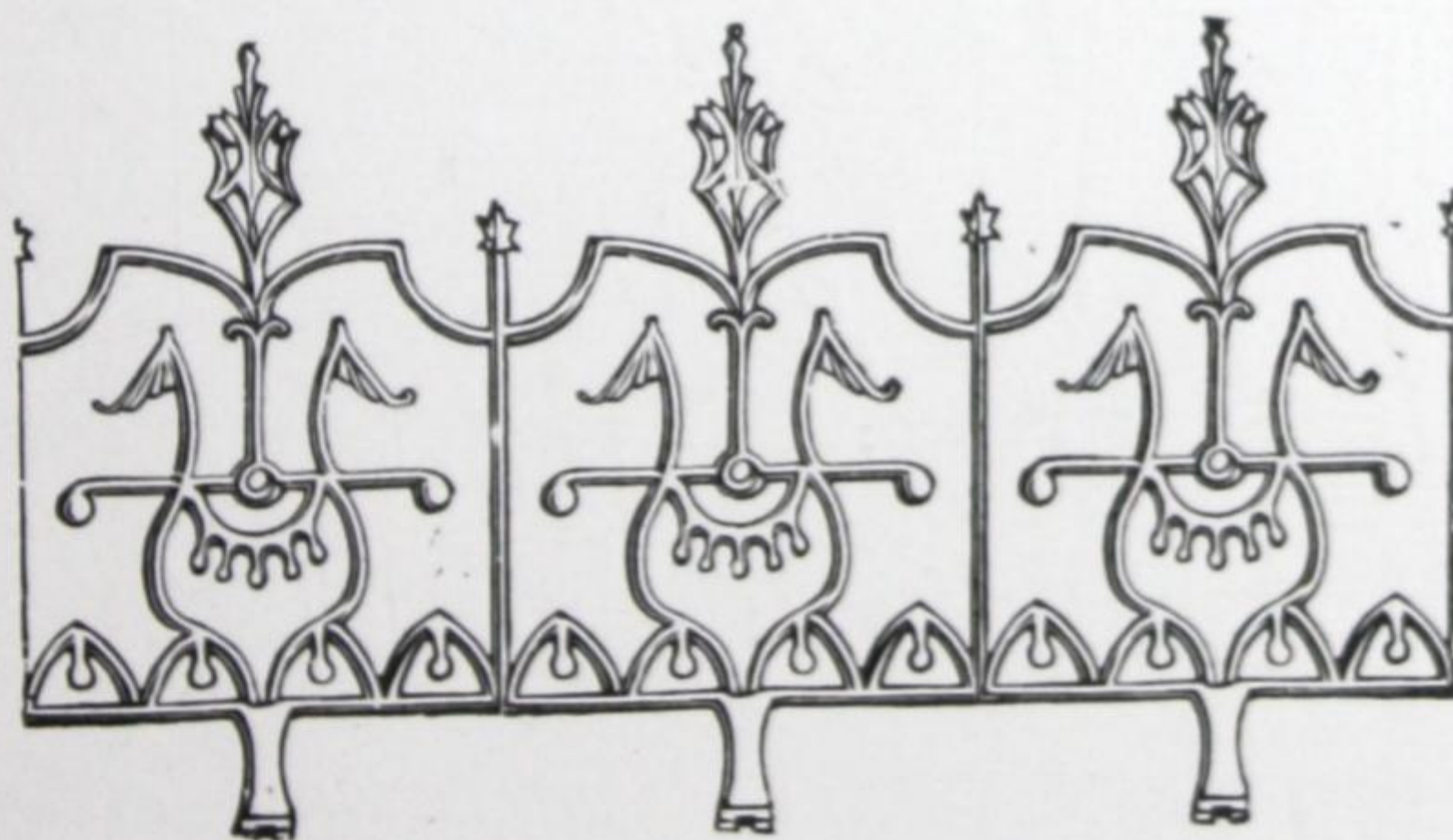




No. 19. - 18 in. high. Price per foot-----\$ .40

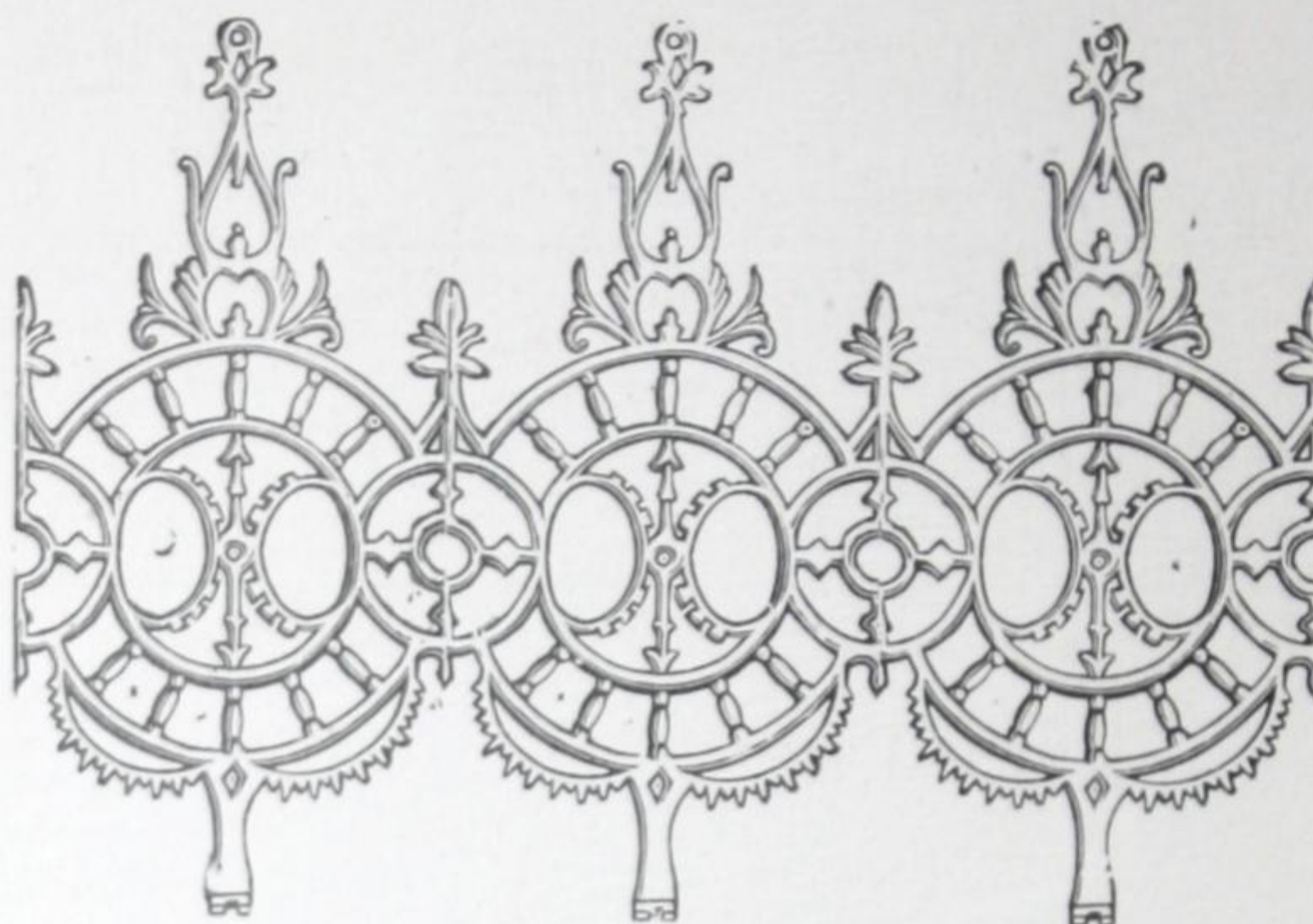


No. 22. - 20 in. high. Price per foot-----\$ .50



No. 24. - 20 in. high. Price per foot-----\$ .55





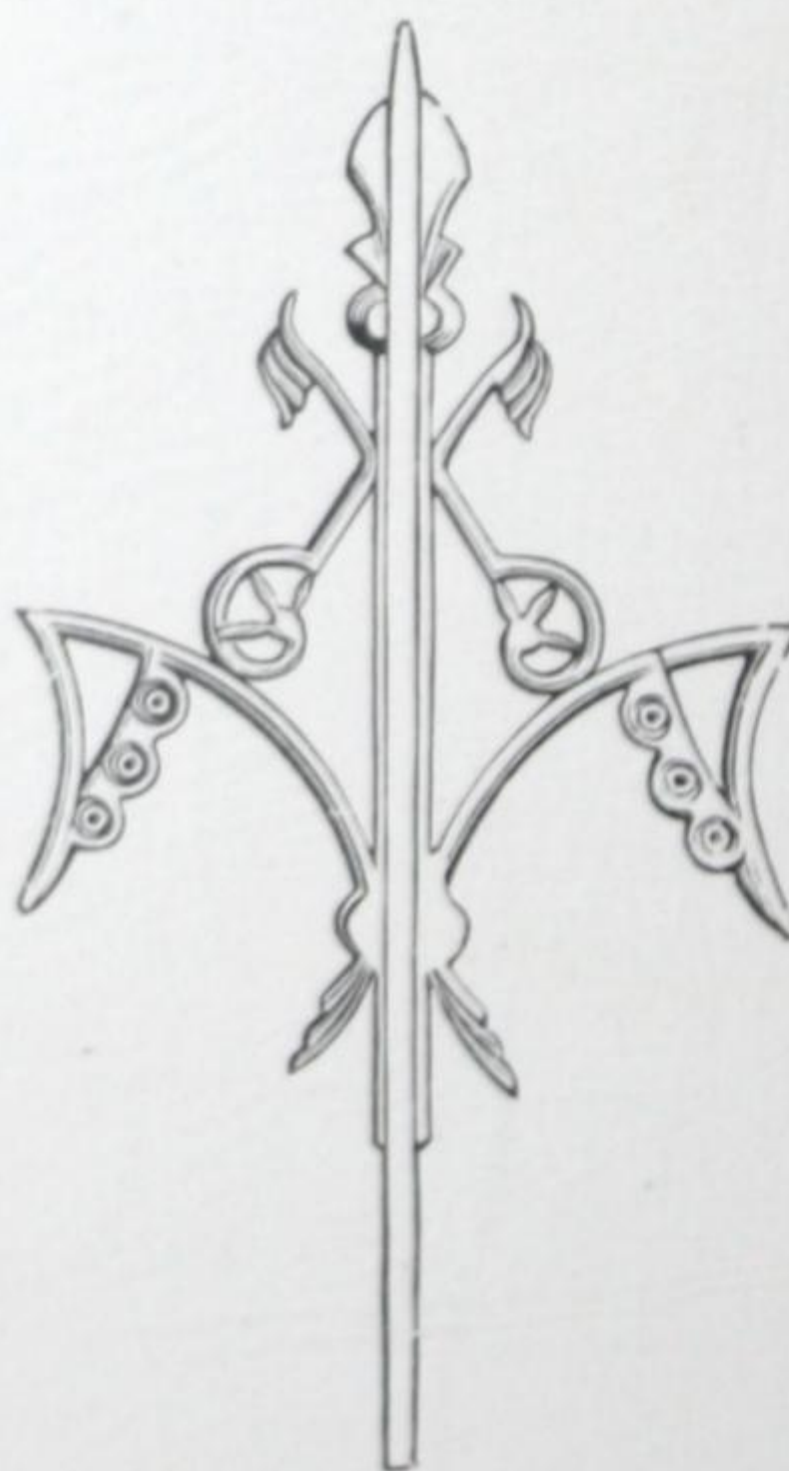
No. 23.—24 in. high. Price per foot-----\$ .60

## Finials.

Height of Finials made to suit height of Cresting. All Finials show the same from four sides.



No. 7.—Price, \$1.35.



No. 8.—Price, \$1.35.



No. 9.—Price, \$1.10.



# Crown Mouldings.

FOR WOOD.



No. 11.

Height ..... 13 in.  
Projection .....  $6\frac{5}{8}$  in.  
Girt ..... 21 in.

Price, 25 cents per foot.



No. 12.

Height .....  $10\frac{1}{2}$  in.  
Projection .....  $4\frac{1}{2}$  in.  
Girt ..... 21 in.

Price, 25 cents per foot.

FOR BRICK.



No. 10.

Height ..... 12 in.  
Projection ..... 7 in.  
Girt ..... 20 in.

Price, 24 cents per foot.



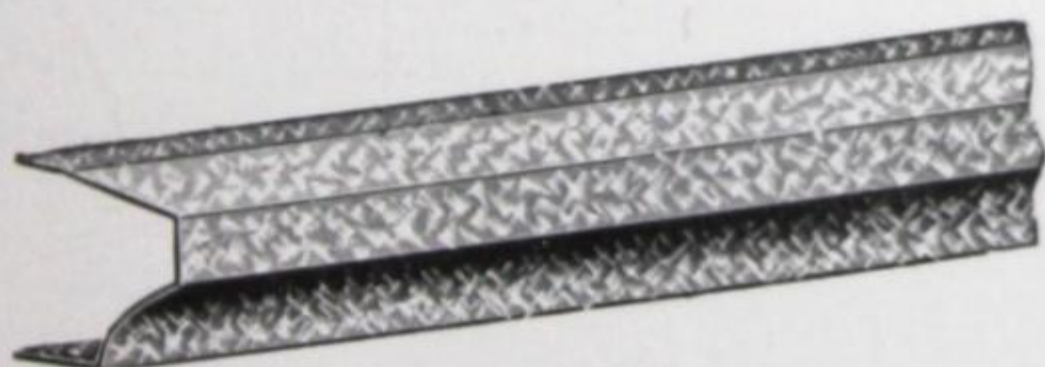
No. 13.

Height .....  $10\frac{1}{2}$  in.  
Projection .....  $5\frac{3}{4}$  in.  
Girt ..... 21 in.

Price, 25 cents per foot.

DISCOUNT ..... Per Cent.

## Belt Mouldings.



No. 20.

Height .....  $4\frac{1}{2}$  in.  
Projection ..... 3 in.  
Girt ..... 12 in.

Price, 13 cents per foot.



No. 21.

Height .....  $4\frac{1}{2}$  in.  
Projection ..... 3 in.  
Girt ..... 12 in.

Price, 14 cents per foot.

DISCOUNT ..... Per Cent.



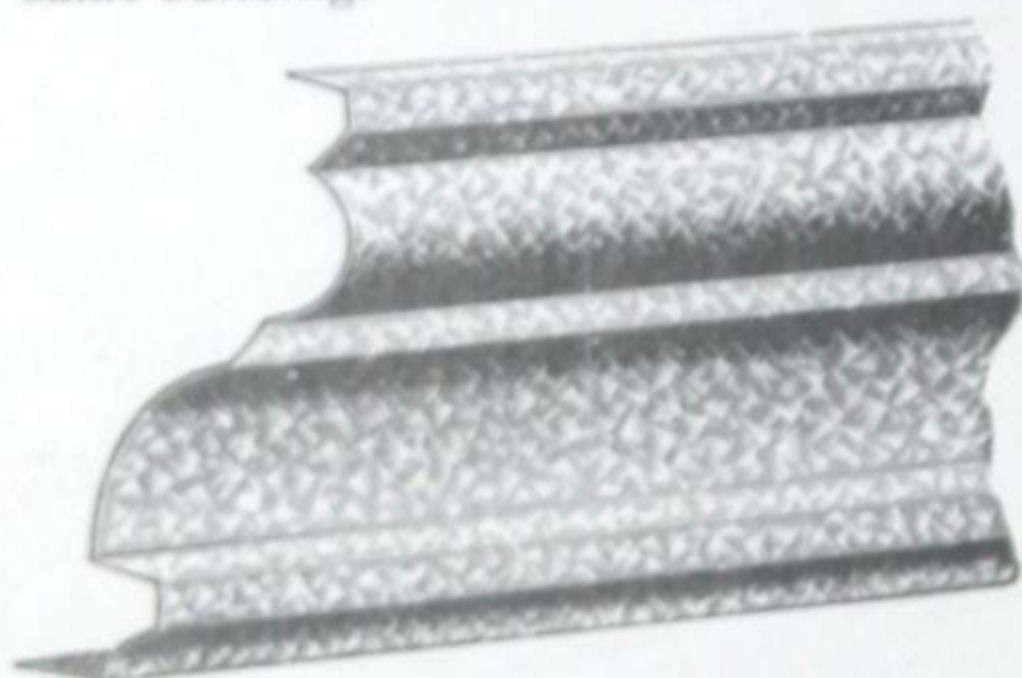
# Cornices.

MADE OF GALVANIZED IRON.

The following illustrations are intended to convey an idea of the character of work we manufacture, and for parties to select from who may not have chosen or prepared special designs of their own.

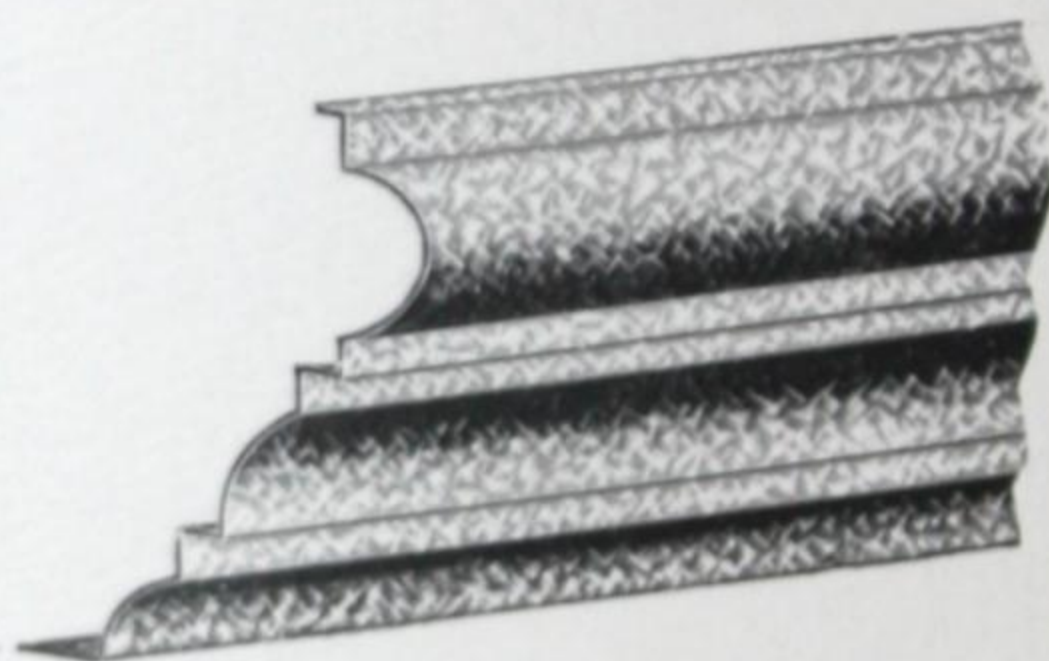
## TINNERS

Will find it to their interest to handle our Cornices, from the fact that it will enable them to take work which would otherwise be impossible, giving them a profitable business and securing other work in their line; whereas, if they were unable to furnish Cornices, they would probably not get other work to do connected with the same building.



No. 90.

Height ..... 20 inches.  
Projection ..... 12 inches.  
Price, per foot ..... 45 cents.



No. 91.

Height ..... 20 inches.  
Projection ..... 12 inches.  
Price, per foot ..... 45 cents.

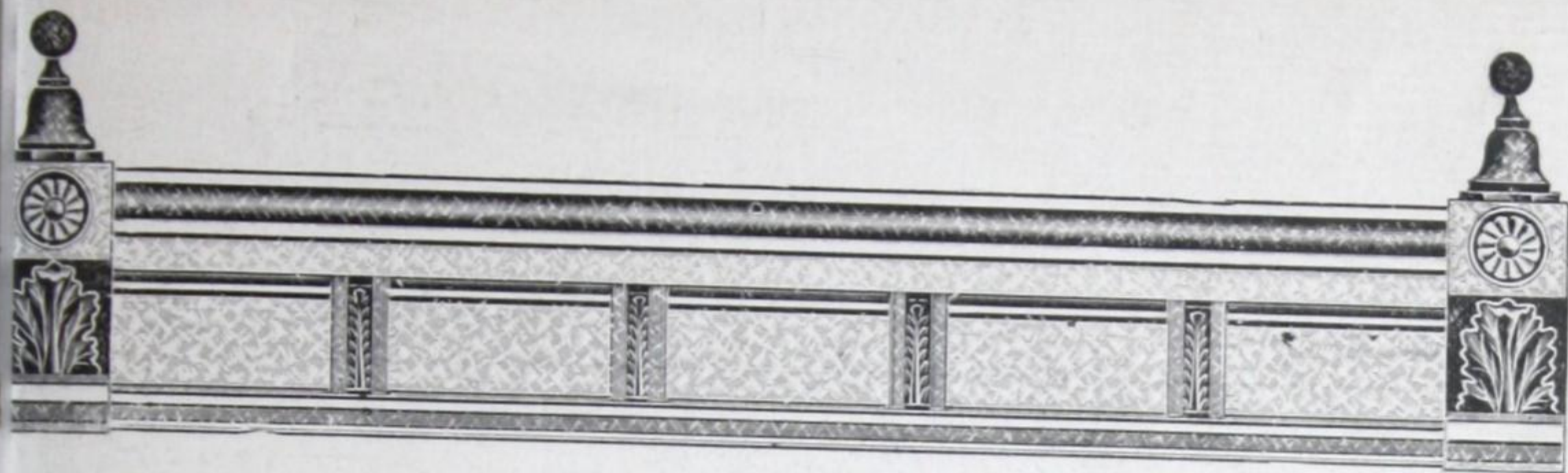


No. 401.

Height, 26 inches; Projection, 12 inches; Price, per foot ..... 60 cents.  
End Blocks, each ..... \$4.25; Urns, each ..... 90 cents; Letters, each ..... 60 cents.

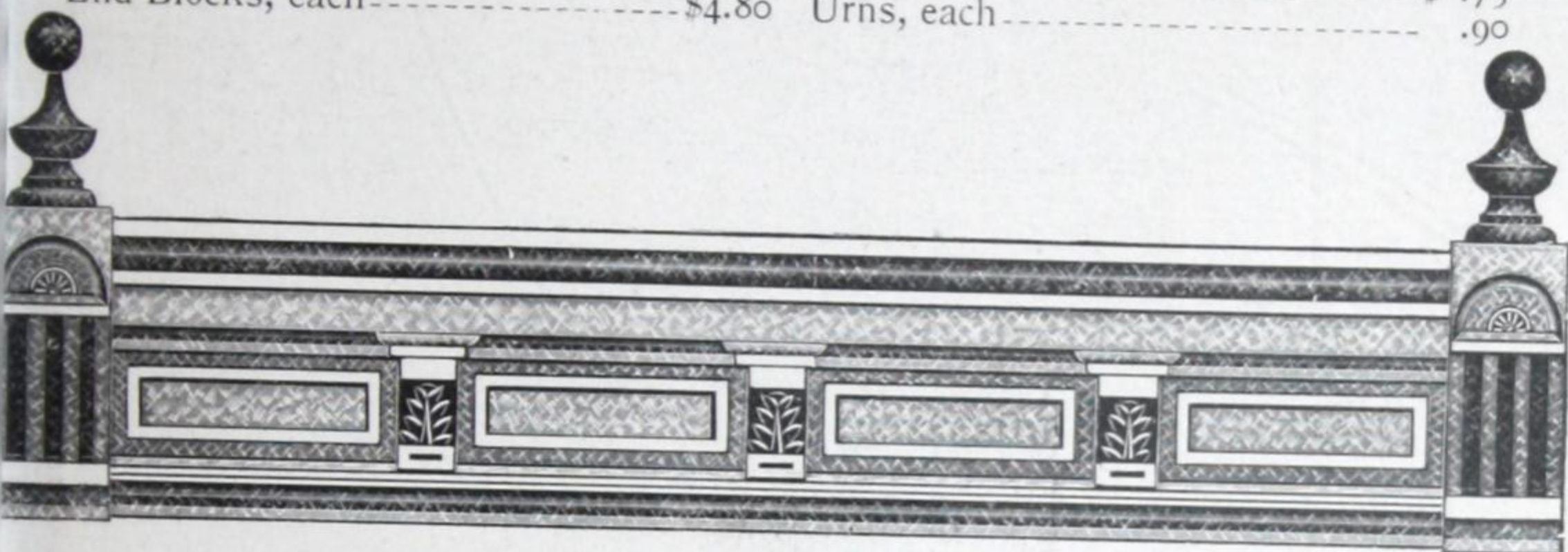
DISCOUNT ..... Per Cent.





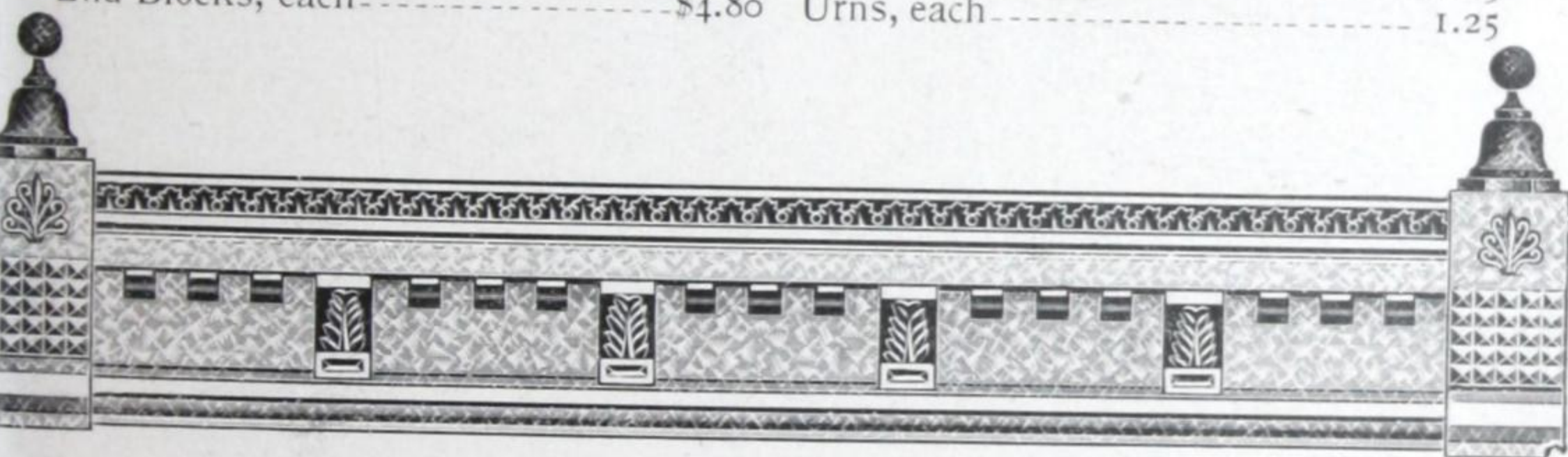
No. 403.

Height, 26 inches; Projection, 12 inches; Price per foot-----\$ .75  
End Blocks, each-----\$4.80 Urns, each----- .90



No. 408.

Height, 30 inches; Projection, 15 inches; Price per foot-----\$1.25  
End Blocks, each-----\$4.80 Urns, each----- 1.25



No. 409.

Height, 24 inches; Projection, 20 inches; Price per foot-----\$1.30  
End Blocks, each-----\$4.80 Urns, each----- .90



No. 413.

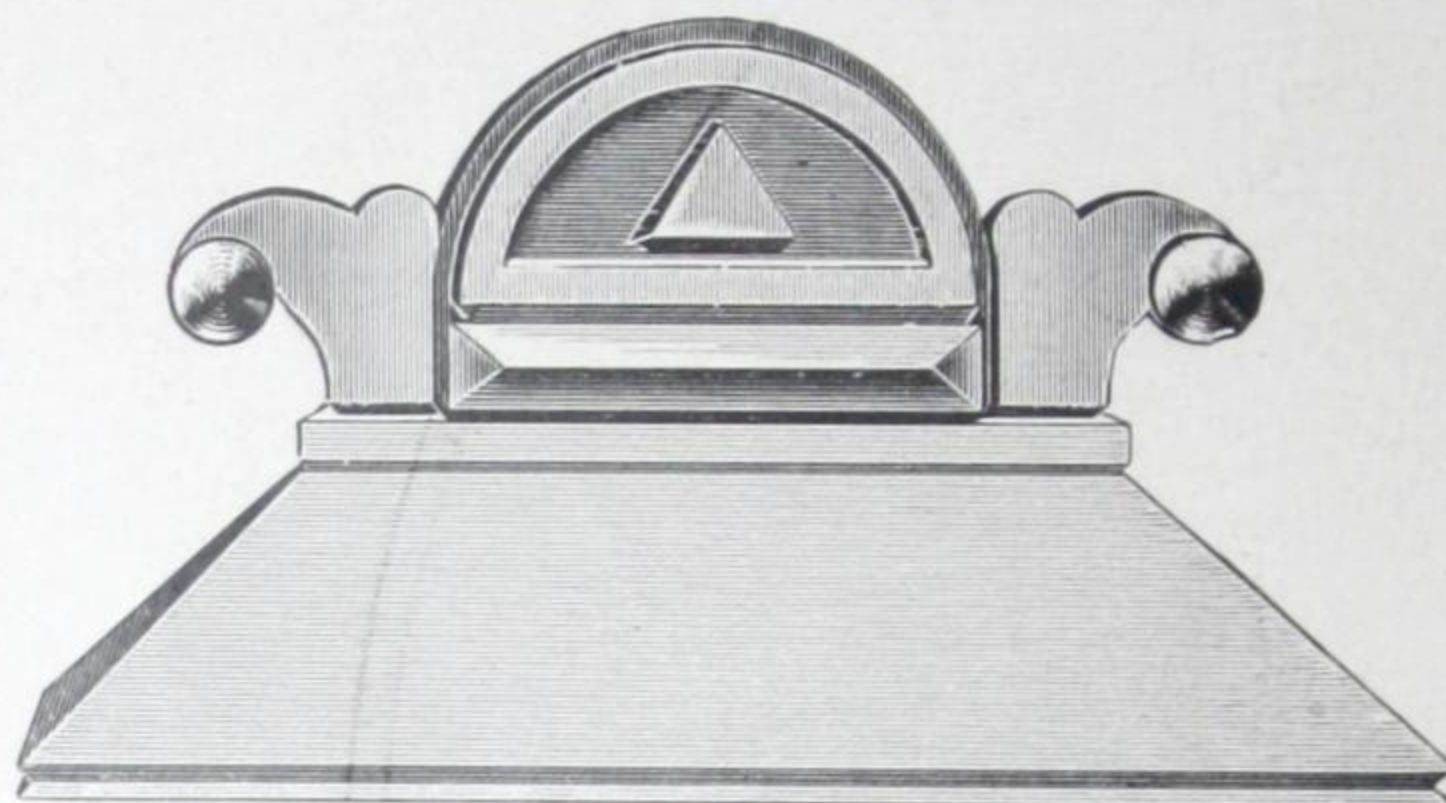
Height, 36 inches; Projection, 24 inches; Price per foot-----\$1.65  
End Blocks, each-----\$6.00 Urns, each----- 1.25

N. B.—Always state if End Blocks and Urns are wanted, when ordering Cornices.



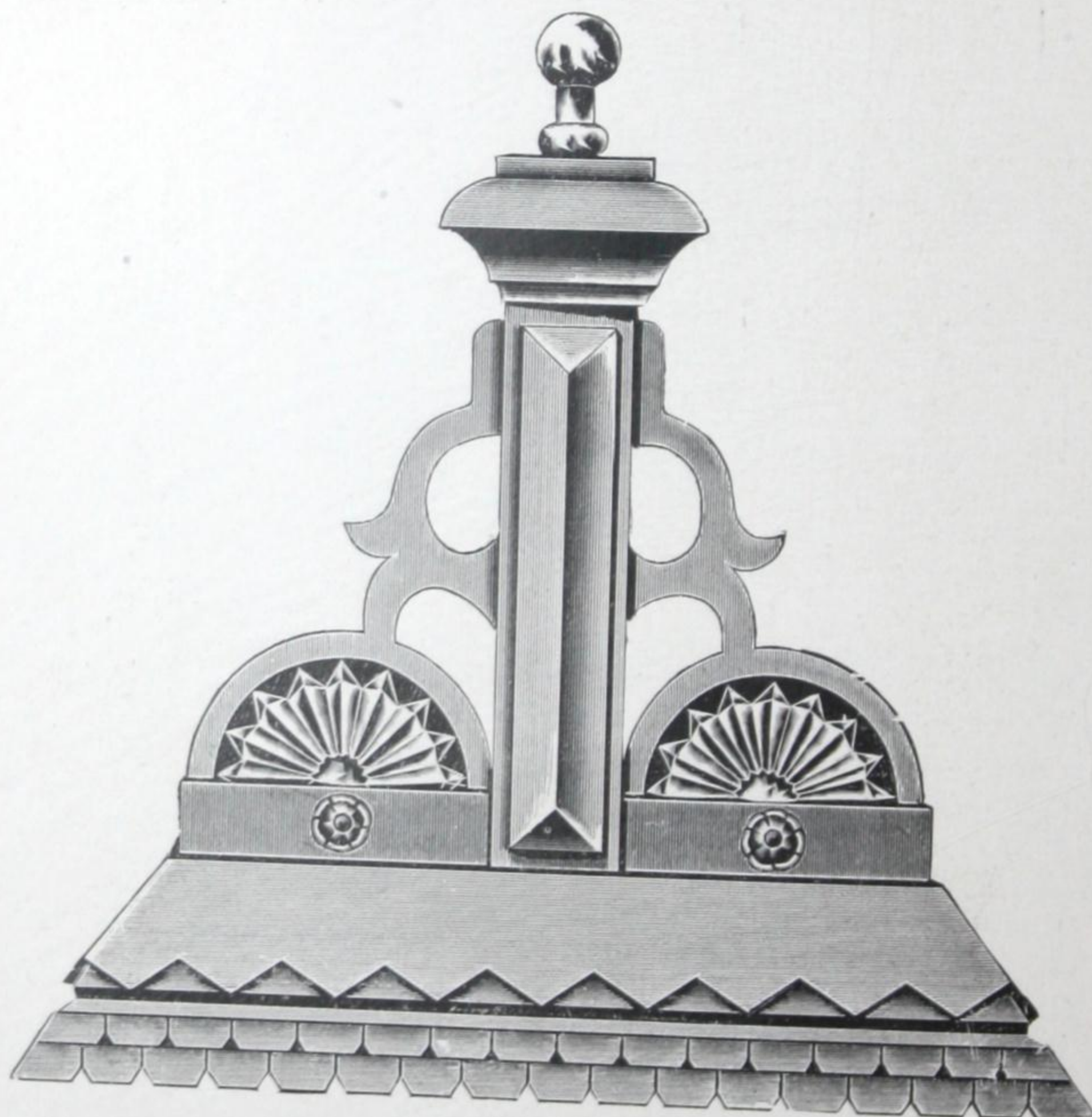
# Hip Caps.

Made of Galvanized Iron.



Style A.

Prices according to size.



Style B.

Prices according to size.

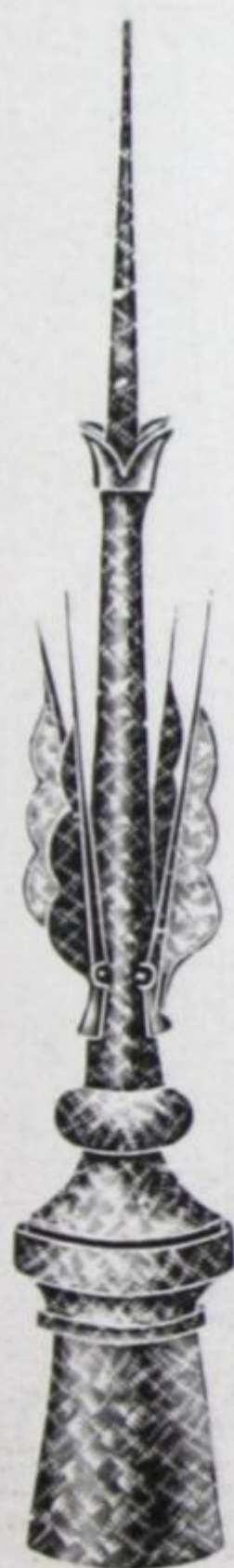


# Finials.

Made of Galvanized Iron.

When ordering Finials, state whether base is to be SQUARE, ROUND, or OCTAGONAL, and give pitch of tower.

CRATING CHARGED FOR AT COST.



3 Feet High.  
No. 551, each, \$3.50



3½ Feet High.  
No. 552, each, \$4.00



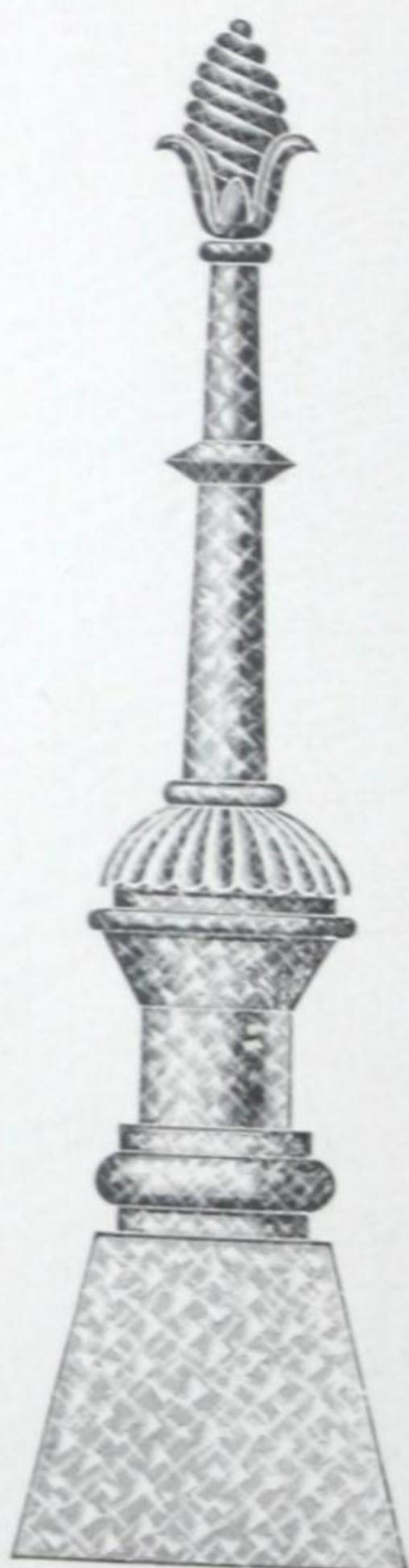
3½ Feet High.  
No. 554, each, \$4.50

Copyrighted.





3½ Feet High.  
No. 558, each, \$5.50



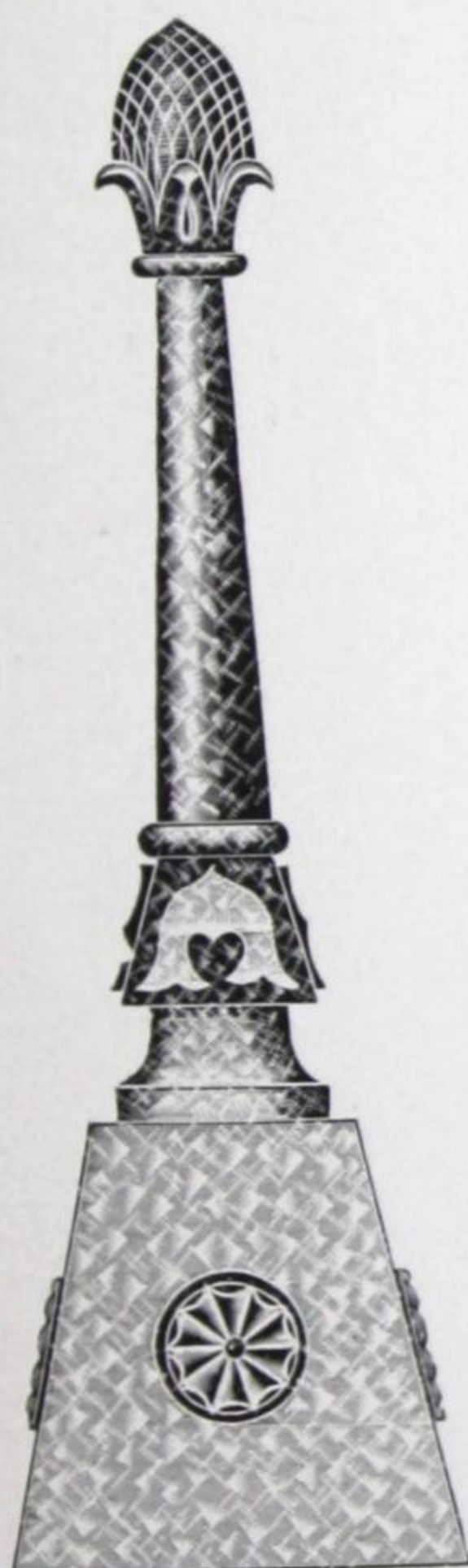
4 Feet High.  
No. 594, each, \$5.50  
Copyrighted.



4 Feet High.  
No. 587, each, \$5.50

When ordering Finials, always state measurement and style of base.





4 Feet High.  
No. 601, each, \$5.75



4 Feet High.  
No. 556, each, \$5.75  
Copyrighted.



4 Feet High.  
No. 608, each, \$7.00

When ordering Finials, always state measurement and style of base.

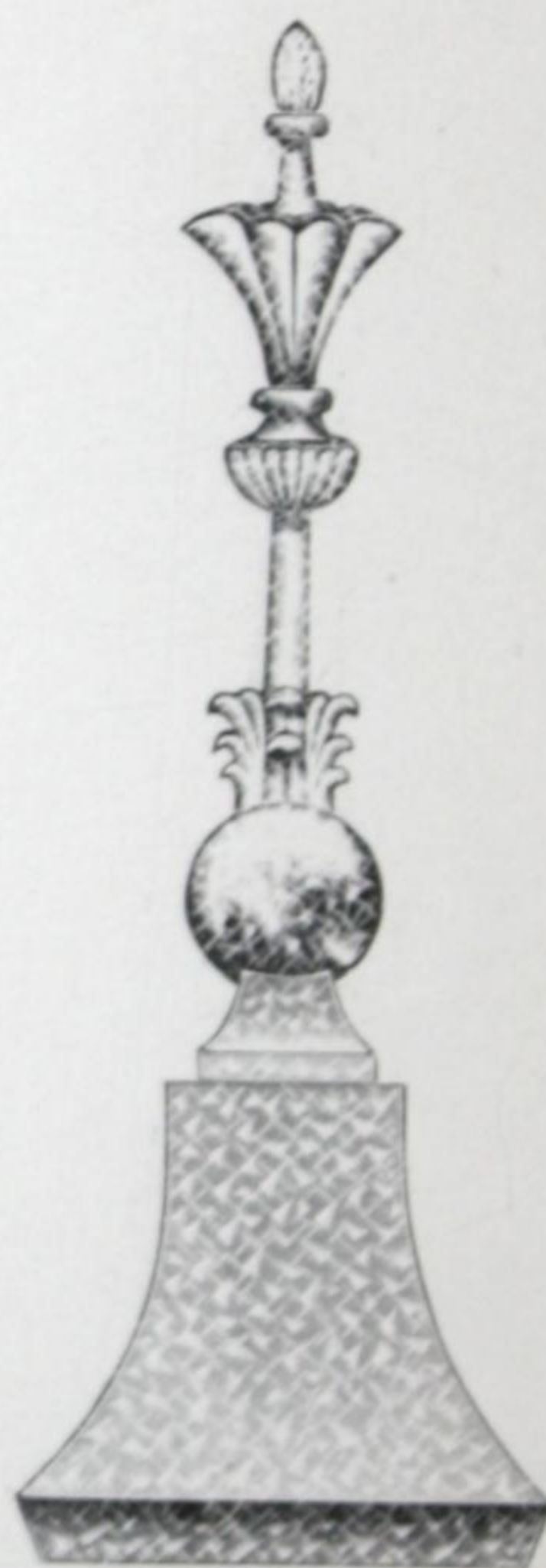




4 Feet High.  
No. 568, each, \$14.00



4½ Feet High.  
No. 553, each, \$5.00

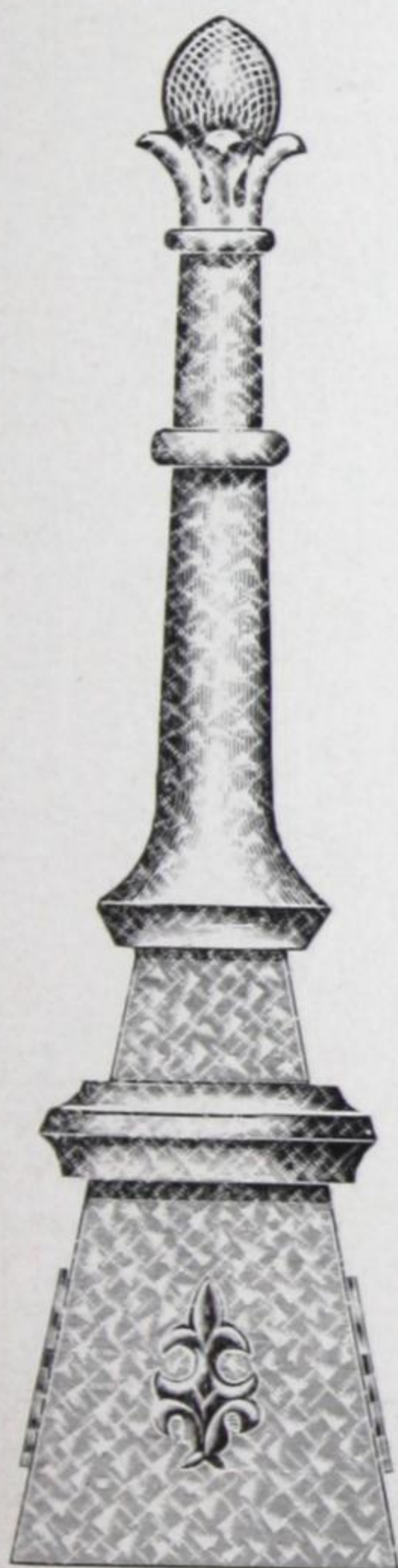


4½ Feet High.  
No. 555, each, \$5.50

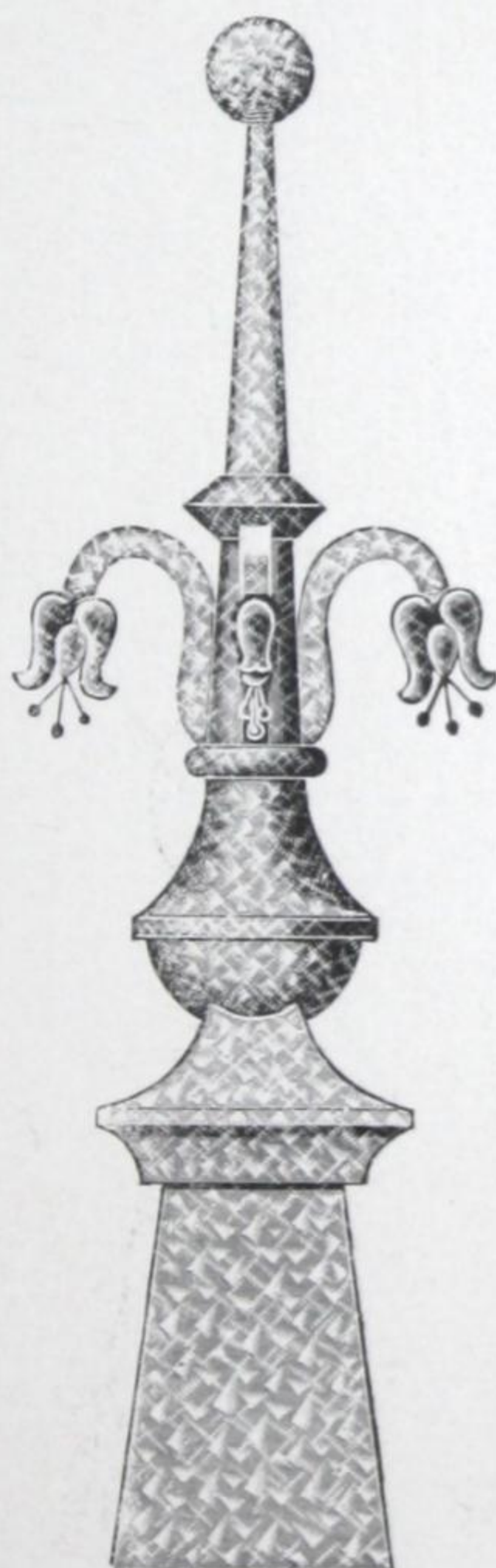
Copyrighted.

When ordering Finials, always state measurement and style of base.





4½ Feet High.  
No. 557, each, \$6.00



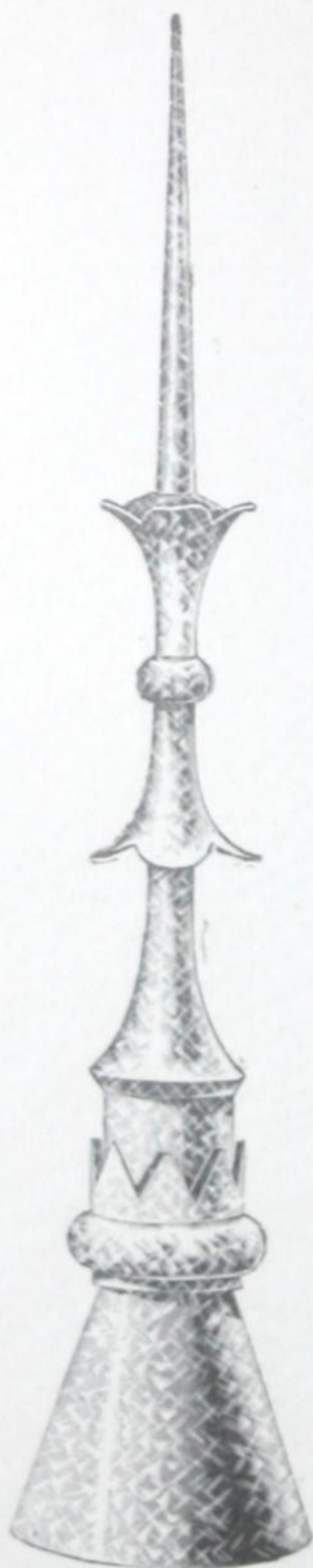
4½ Feet High.  
No. 559, each, \$7.00  
Copyrighted.



4½ Feet High.  
No. 560, each, \$8.00

☞ When ordering Finials, always state measurement and style of base.

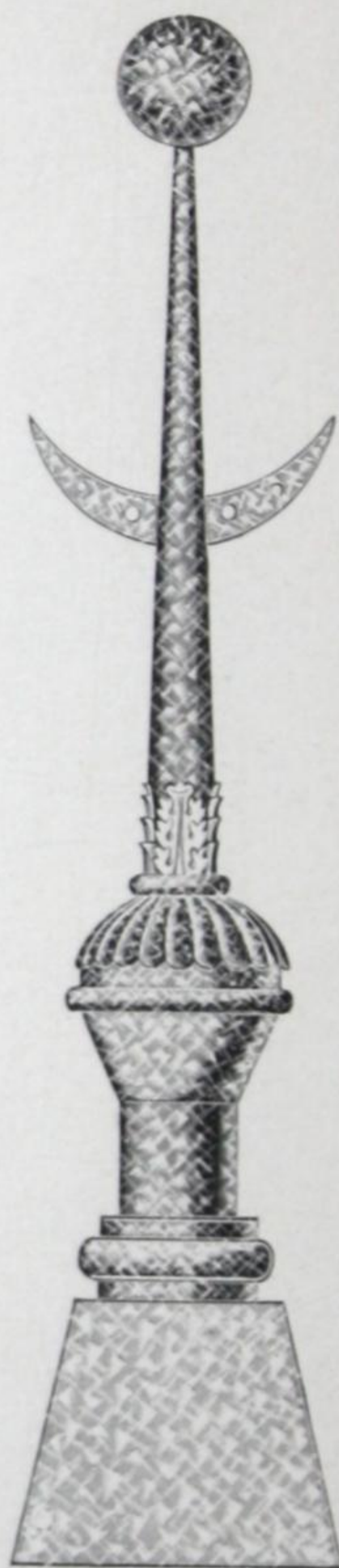




5 Feet High.  
No. 561, each, \$6.50



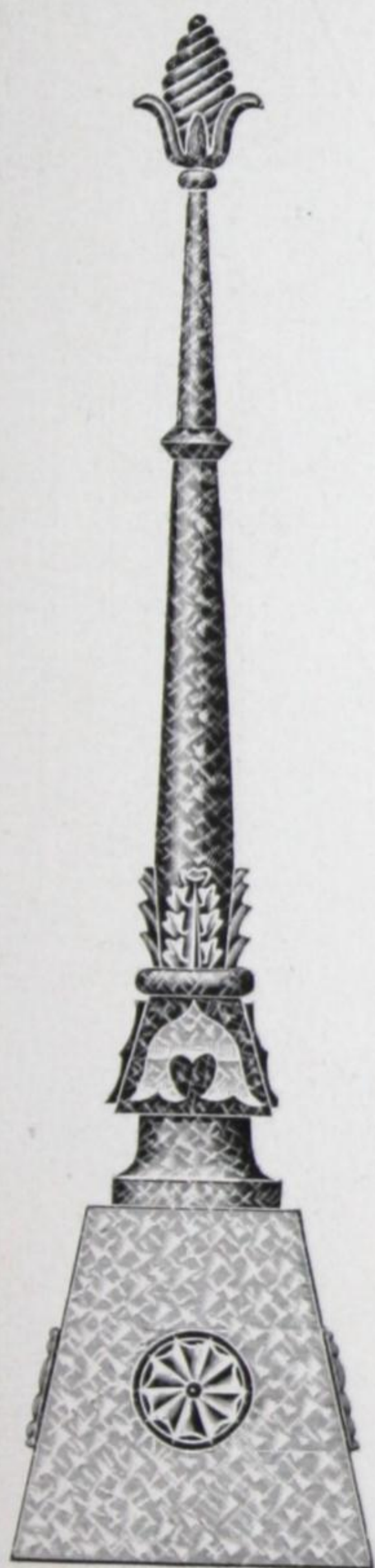
5 Feet High.  
No. 588, each, \$5.75  
Copyrighted.



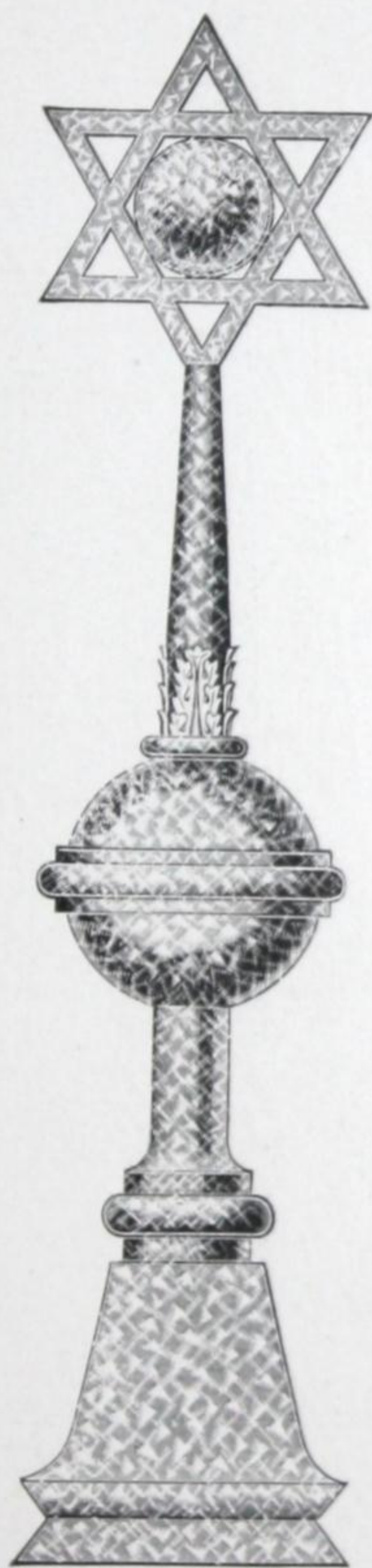
5 Feet High.  
No. 595, each, \$7.00

When ordering Finials, always state measurement and style of base.

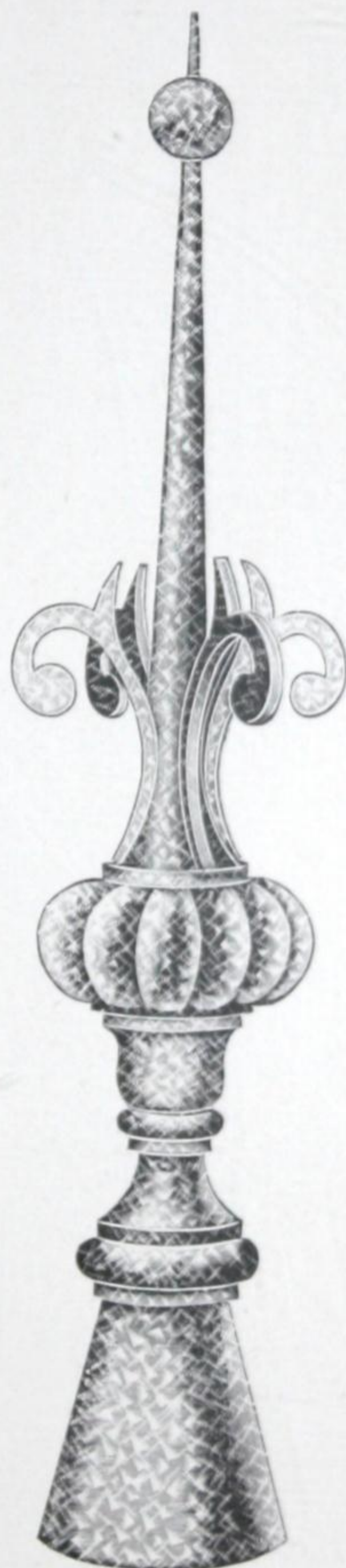




5 Feet High.  
No. 602, each, \$7.50



5 Feet High.  
No. 609, each, \$10.00  
Copyrighted.



5½ Feet High.  
No. 562, each, \$9.00

When ordering Finials, always state measurement and style of base.

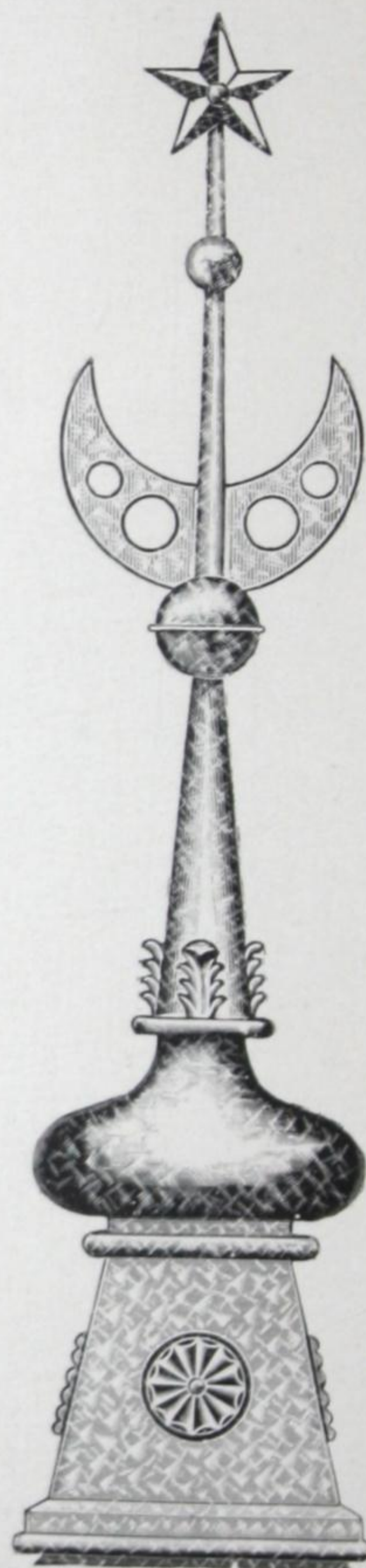




6 Feet High.  
No. 589, each, \$9.00



6 Feet High.  
No. 610, each, \$10.00  
Copyrighted.



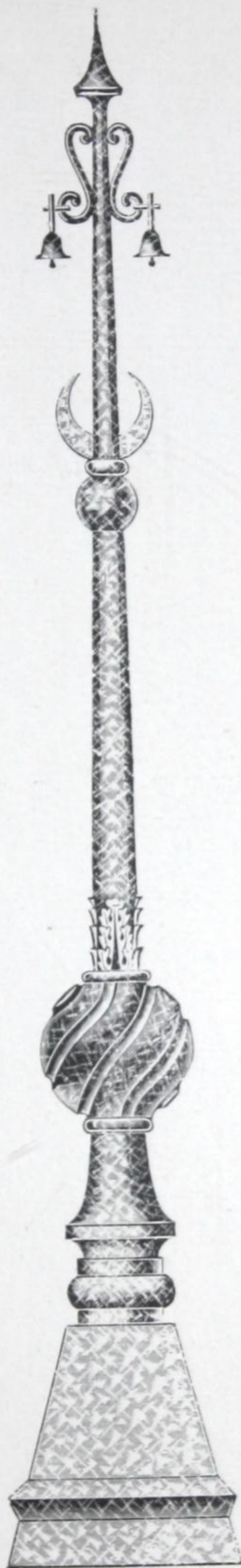
5½ Feet High.  
No. 563, each, \$11.00

When ordering Finials, always state measurement and style of base.





6½ Feet High.  
No. 565, each, \$12.00

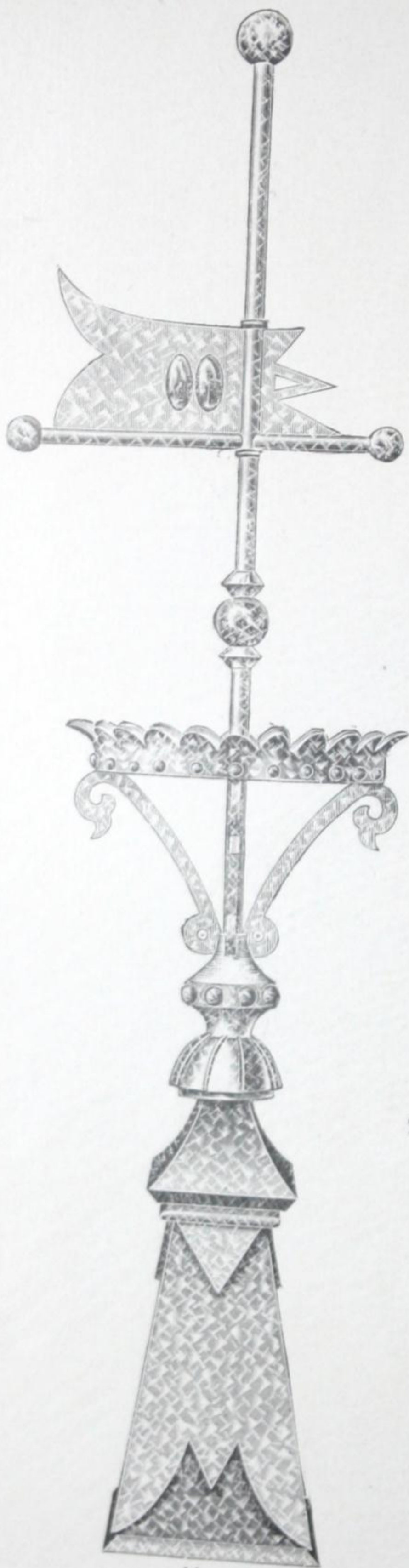


7 Feet High.  
No. 611, each, \$11.00

Copyrighted.

When ordering Finials, always state measurement and style of base.

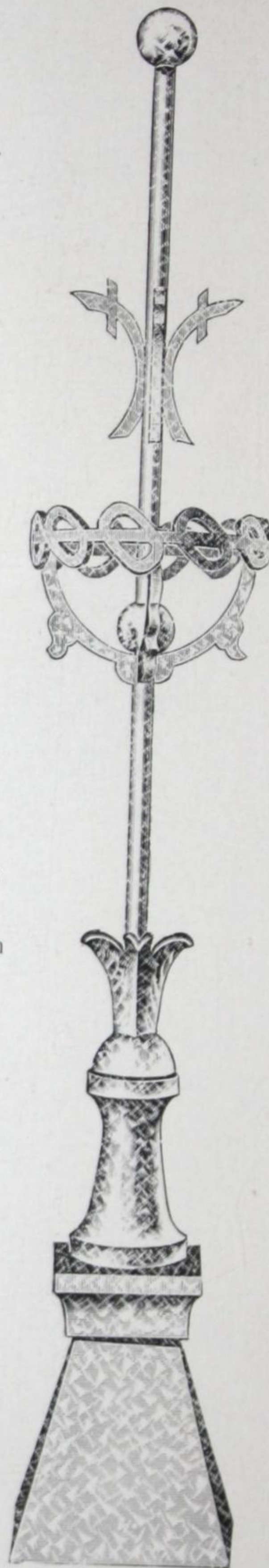




No. 572.

No. 572, each, \$18.00  
7½ Feet High.  
Stem of Wrought Iron  
Pipe.

—  
No. 570, each, \$17.00  
7 Feet High.  
Stem of Wrought Iron  
Pipe.

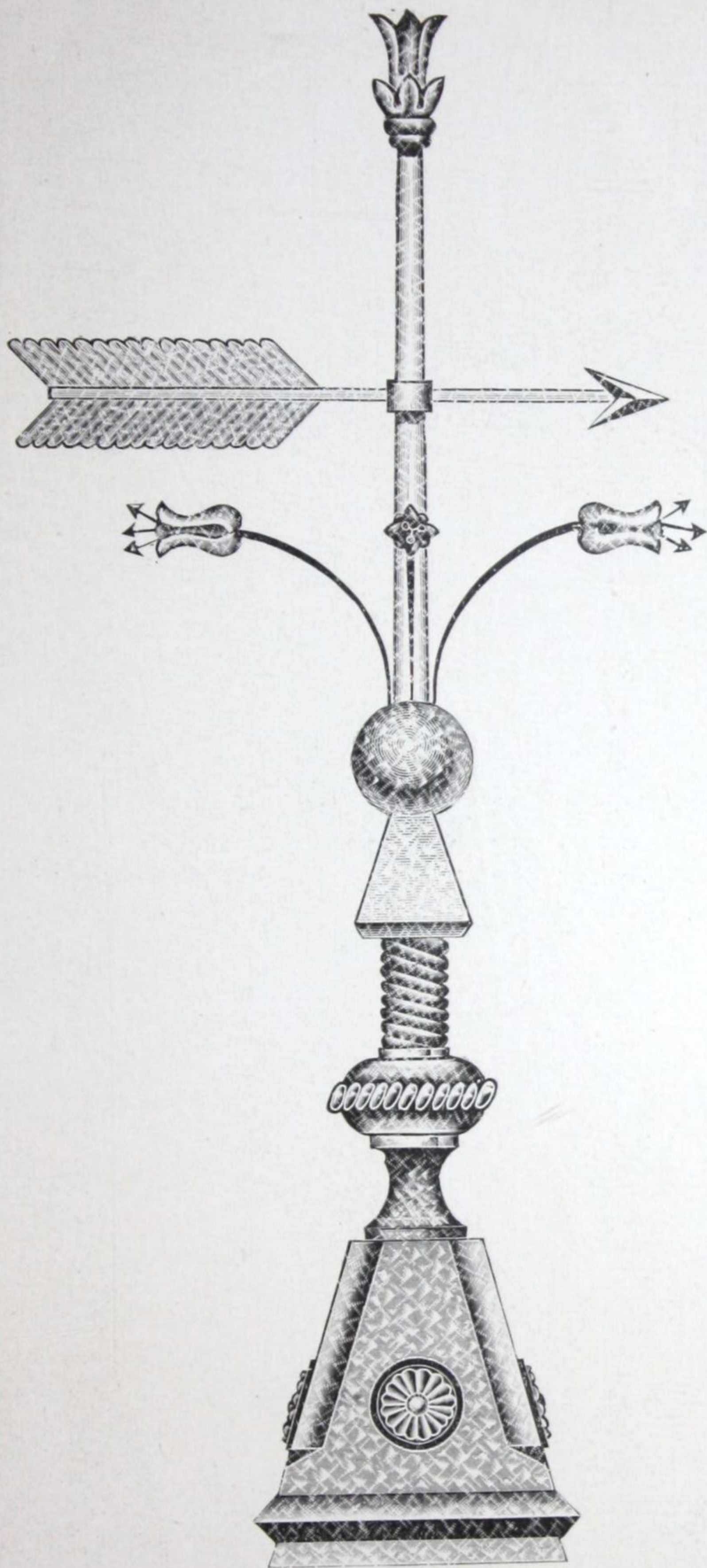


No. 570.

Copyrighted.

When ordering Finials, always state measurement and style of base.



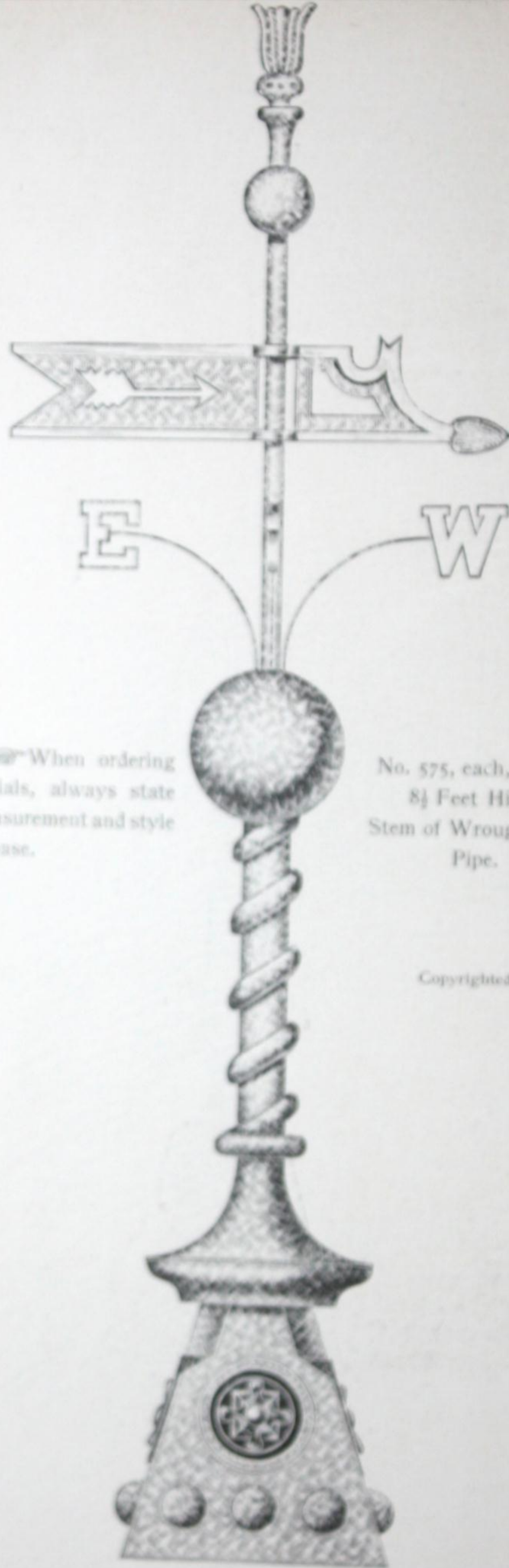


7½ Feet High. No. 571, each, \$20.00

Copyrighted.

When ordering Finials, always state measurement and style of base.





When ordering  
 Finials, always state  
 measurement and style  
 of base.

No. 575, each, \$24.00  
 8½ Feet High.  
 Stem of Wrought Iron  
 Pipe.

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# ROOFING SECTION.

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## BERGER'S PATENT

SIMPLIFIED FOLDED LOCK SEAM,  
OLD STYLE DOUBLE SEAM,  
ECLIPSE CAP SEAM,  
PRESSED STANDING SEAM, AND  
BEADED PRESSED STANDING SEAM

# STEEL ROOFING,

V CRIMP, CORRUGATED IRON,  
METAL SHINGLES,  
STEEL PRESSED BRICK,  
CEILINGS, ETC.

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# Rules of Measurement

## In Selling Sheet Metal Building Material.

All Iron and Steel Roofing, Siding, Ceiling, etc., except Galvanized material, is painted both sides, unless otherwise ordered.

All Iron and Steel Roofing, Siding and Ceiling, are sold by the square (100 square feet), except Corrugated Iron, which is sold by the square or pound, as preferred.

A SQUARE consists of 100 square feet, and is calculated by the following rules of measurement:

**Corrugated (Iron or Steel) and Imitation Brick.**—The full width and length of sheets, after being corrugated or formed, is calculated.

**V Crimped, Beaded, Weather Boards, (Iron or Steel).**—The full length of sheets, together with the actual covering width is calculated.

**Standing Seam Steel Roofing.**—The actual covering width and full length is calculated, whether the sheets are connected by end-locks and shipped in rolls, or be separate and shipped in crates.

**Wide Gutters and Valleys.**—The full width and length of material is calculated.

**Nails, Wood Strips, Dry Paint and Ready Mixed Paints,** are sold by the pound, gallon or square (the amount generally required in applying a square). They are not included in the price quoted on the Sheet Iron or Steel, but are charged as separate items when furnished.

**Ridge Roll, Ridge Cap, Corrugated Wood Strips, Corner Boards, Panel Strips, Window and Door Case Coverings, Mouldings, Stylings, Eave Troughs, Conductor Pipes, Etc.,** are sold by the lineal foot, and not included in prices quoted on Sheet Iron and Steel, but when furnished are charged separately.

## WEIGHTS.

The weights of Iron and Steel Sheets before being painted are based on U. S. STANDARD GAUGE as follows:

No. of Gauge	28	27	26	24	22	20	18	16
Weight per square ft.	.625	.6875	.75	1.00	1.25	1.50	2.00	2.50 lbs.

No. 28 is always shipped when the gauge wanted is not specified.

## Approximate Weights Corrugated, Beaded and V Crimp.

	No. 28	No. 27	No. 26	No. 24	No. 22	No. 20	No. 18	No. 16
Painted	69 lbs.	77 lbs.	84 lbs.	111 lbs.	138 lbs.	165 lbs.	220 lbs.	275 lbs.
Galvanized	86 "	93 "	99 "	127 "	154 "	182 "	236 "	291 "

PAINTED.

GALVANIZED.

Weather Boarding	No. 28, 74 lbs.	No. 27, 82 lbs.	No. 28, 91 lbs.	No. 27, 98 lbs.
Standing Seam	No. 28, 71 lbs.	No. 27, 78 lbs.	No. 28, 89 lbs.	No. 27, 96 lbs.
Roll and Cap	No. 28, 74 lbs.	No. 27, 82 lbs.	No. 28, 91 lbs.	No. 27, 98 lbs.



# Rules for Measuring,

After the Material is Applied to Building.

**Roofs.**—Measure the length of the roof, including the amount turned up or down at each end or gable, and multiply by the distance from eave to eave, including the material used in the ridge seam, and the material lapped either down or up at eaves.

**Roofs with Hips, Valleys, Dormers, Etc.**—Measure each section through the center horizontally and multiply by the length of the strip of metal at the center, and in addition to the actual surface of the roof, measure the length of hips and valleys by one foot wide. The extra measure of hips and valleys is to compensate for the extra labor and loss of material in cutting, fitting and laying same.

**Openings.**—Make no deduction for openings, chimneys, stacks, sky-light, dormer window, or ventilator, unless such openings measure more than 50 sq. ft.; if more than 50 sq. ft., and not more than 100 sq. ft., deduct half the size of the opening; if more than 100 sq. ft., deduct the full size of opening.

The labor to flash pipes and round stacks, whether of brick or iron, is charged extra.

The reason for not deducting otherwise than as specified, is, that the waste of material and extra work in cutting and fitting the material for flashing such openings, is equal to, or greater, than the value of the materials cut out.

**Gutters and Valleys.**—Multiply full length by full width of girt.

**Siding.**—Multiply full length of each section by the height. **DEDUCTIONS.**—Make no deductions for any window, door or other opening, unless said opening measures more than 10 sq. ft; if more than 10 sq. ft., and not more than 25 sq. ft., deduct one-half of such openings. If more than 25 sq. ft., deduct all of such openings, except, when the wood casings to the windows, doors and other openings are to be covered with iron or steel casings; in such instances, no deductions for openings are to be made, whether the openings be more or less than 10 sq. ft.

**Gables.**—To estimate contents of gables, multiply the width by one-half the height, or multiply the height by one-half the width.

**Corner Strips.**—Are charged extra by the lineal foot; the cornice is charged extra in all instances, as the price varies according to the girt of material used and style of the same.

**Eave Troughs and Conductor Pipes.**—Measure the entire length and add one foot extra for each Mitre, Shoe or other angle.

**Flashings.**—Measure all material used necessarily, including unavoidable waste, except where no deductions are authorized for openings.

**Ceilings.**—Multiply the length of each section by the width; separate mouldings, panel division strips, stylings, cornices and friezes are calculated by the lineal foot, extra; rosettes and other ornaments are charged by the piece; painting other than first coat is always charged extra. Make no deductions for openings measuring less than 10 sq. ft.; if more than 10 sq. ft., deduct the full size.

**Scaffolding.**—Where scaffolding is necessary, the customer is to furnish all necessary materials for same free of charge, and the roofer is to construct the scaffolding free of charge.

**Domes, Spires, Doors, Etc.**—Measure all material necessarily used, including waste; charge for it at its value, together with cost of labor applying the material at wages agreed upon.



## Special Notice.

We invite the attention of our patrons to the information and illustrations on the following pages, relative to metallic coverings, i. e., Roofing, Siding, Ceiling, etc.

The members of the craft who buy our goods (which are standard everywhere—a guarantee of excellence) always get **better value** than by using something imitative of ours.

The closest attention is given to the quality and workmanship of the material put into our products, and we present them on their merits.

In these days, when the word "Adulteration" is brought so much to the attention of the consumer, and all the defects come from goods made to sell and not to use, it is a great pleasure to furnish the goods which are known to have stood the tests in the past, and will stand in the future.

An **examination** and **comparison** will satisfy the buyer that our claims are just, and our goods as we represent them to be.

All we ask is the credit which is due the excellence of our goods, as in this respect alone are we competitors, and on this basis we quote prices, which will at all times be found favorable.



## Material Used:

### Genuine Hammered Sheet Steel

—FOR—

#### STANDING SEAM ROOFING

Has been given the most practical tests, and it unquestionably excels all other kinds because it has the required texture and softness, and **is far more perfect and homogeneous than ordinary steel.**

It is the purest of metals, practically free from imperfections, and the advantages of using it are self-evident from the very fact of its higher ultimate strength.

It is of paramount importance to customers that the very finest quality be used. We therefore adopted GENUINE HAMMERED STEEL, which is the most durable, most substantial, and the cheapest when the quality is considered.

A roof of such material is wind, weather, fire and lightning proof; it furnishes no food for flames, is suitable for all kinds of buildings, can be laid over shingles, lath or sheathing, and is easily attached to any kind of valley or gutter.

We furnish HAMMERED STEEL SHEETS in the following constructed Roofs :

Berger's Patent Simplified Lock Seam. (Pages 74 and 75.)

Old Style Double Seam. (Page 76.)

Eclipse Cap Seam. (Page 77.)

Pressed Standing Seam. (Page 78.)

Beaded Pressed Standing Seam. (Page 79.)



## Steel Sheets, Painted.

A good Roof is a building's crown, and in a permanent building is only second in importance to a good foundation, as it is always on duty; therefore, we give our material the well deserved protection, i. e., a coating, both sides, of pure Linseed Oil Paint.

For this purpose the standard is Iron Oxide; however, it is acknowledged that the best preservative for all Steel and Iron work is genuine Graphite Paint (Plumbago).

We fully recommend our Graphite Paint as a sure protection against rust in any climate, as it is unaffected by heat or cold, dampness, salt air, chemical fumes or any solution known to chemists.

All our paints are re-ground in boiled Linseed Oil, and brushes are used in applying the coating on every painted sheet of our material by which all parts of the sheet are well and evenly covered, producing the required result, which can not be so well accomplished by any other method.

**The quality of our paints, and our manner of coating the sheets before shipment, are worthy of consideration.** (PAINTS, see pages 122 and 123.)

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## Steel Sheets, Galvanized,

Are known by all metal workers to be indispensable for Cornice and Ornamental work for all kinds of buildings. Its durability is established, and years of experience have demonstrated its practical use for Roofing purposes. It is suitable for any climate as it is not subject to injury from natural causes, and does not need to be painted, as the galvanized coating gives the required protection to the body of the sheet.

As Galvanized Sheets may be soldered, when necessary, it makes a roof particularly adapted for flat surfaces, in this respect having a great advantage over black Steel Sheet, painted, which cannot be soldered. The difference in cost stands in favor of Galvanized Steel.



## Foundation and Pitch.

As the best foundation for all Metal Roofs, we recommend sheathing boards put close together (not notched), because a better job can be made. Boards need not necessarily be planed, but should be of equal thickness, particularly when only a slight pitch can be had.

On one-fourth ( $\frac{1}{4}$ ) pitch, or more, lath may be used placed three to four inches apart.

We have had in use for many years our Patent Simplified Folded Lock Seam and Old Style Double Seam on peculiarly shaped roofs. They have proven entirely satisfactory on three-fourths to one inch pitch to one foot, which by reason of their superior plan of construction are suitable for flatter surfaces than is safe for any other style. We recommend a pitch of one inch to one foot or more. No dirt will accumulate on a roof of a good pitch, and the cleanest and purest rain water may be gathered.

All structures should be such as to allow water to flow off freely and to avoid, as much as possible, difficult shaped spaces to be covered.

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## Felting.

Felting should invariably be used under Metal Roofing, especially when applied over foundries, engine rooms, or where steam, gas and vapors come in contact with the Roofing.

WE RECOMMEND its use UNDER ALL ROOFS, as during frosty weather it prevents dripping when the frost is melting; protects the paint on the under side of Metallic Roofs, deadens sound, and is a non-conductor of heat and cold, thus making buildings cooler in summer, and warmer in winter. (See page 126.)

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## Painting.

Steel or Iron, be it of the very finest quality, will rust if not protected with paint; therefore, we recommend that roofing be well coated with best quality Iron Oxide or Graphite ground in pure Linseed Oil, as soon as applied on building. Another coat should be applied after a period of a year, and thereafter at intervals of three to four years, as may be found necessary.


If these instructions are followed, a Metal Roof will last an ordinary lifetime.



## Compared with Shingles.

Shingles are made of such timber that cannot be used in more valuable building material. They are short-lived, and neither fire nor weather proof.


The greatest number of fires originate on the roofs, which places insurance at a very high rate; therefore, shingles are dangerous and fast growing in disfavor.

 Steel and iron covering is fire-proof, and a perfect protection from the elements.

## Compared with Slate.

Slate Roofing requires a steep pitch and a heavy, expensive structure, to support the great weight, which is almost seven times as heavy as Steel Roofing.

It will break from freezing and thawing, or from heat of adjacent fires; costs twice as much and is more expensive to keep in repair; also, the rule of measurement is always greater. Slate often causes buildings to settle out of shape.

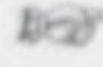
 Steel can be applied faster and on a cheaper surface.

## Compared with Tin.

Tin Roofing Plates are not solid tin sheets, but Steel or Iron is the base, the tin or lead being only a coating.

Nine-tenths of the plates now used are made light, cheap and inferior, to compete in price with Steel Roofing, which is fast taking the lead.

Tin Roofs contain from eight to ten times more cross-seams, which are soldered, and as solder is a weaker material than tin, the joints will break open from contraction and expansion and other natural causes.

 Our Steel joints are fewer, stronger, and being very elastic are fully equal to the demands of contraction and expansion.

**A First-Class Metal Roof will give more satisfaction  
than any other known material.**



## Lightning.

It is an absolute fact that lightning has never been known to injure a building covered with steel or iron. The large surface of the metal scatters the electricity and renders it harmless.

Mr. Merriman says: "Few persons realize the protection afforded during violent thunder storms by shelter in a building covered with steel or iron."

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## Insurance.

Metallic covered buildings reduce the rate of insurance fully one-third as a rule, and in towns poorly provided with fire apparatus, as much as one-half. Underwriters advocate strongly the general use of metal coverings.

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## Cost of Labor,

In applying Roofing, varies from twenty to fifty cents per square, owing to the size and pitch of roof. On an ordinary pitched roof one man can lay from ten to twelve squares per day, so you will readily be able to make estimate on such work; but as wages in different localities vary, use your own judgment as to the actual cost.

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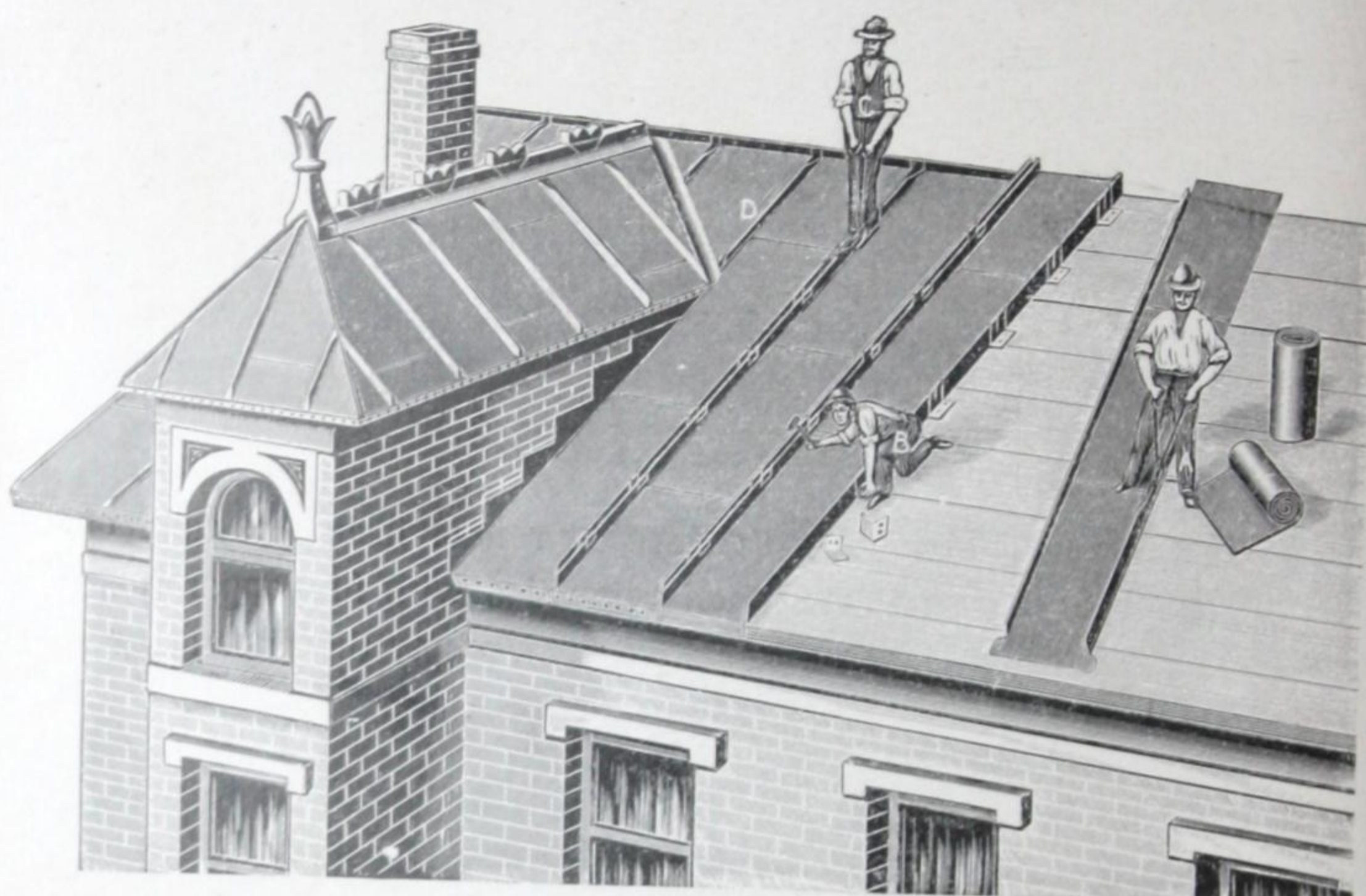
## Agencies.

An agent for our goods means simply a customer for his place and vicinity; all inquiries are referred to him; he buys the goods from us when wanted and makes his own selling price to consumers.

Where we have no regular customer we sell direct to consumers.  
We furnish no goods on commission.



## BERGER'S PATENT Simplified Folded Lock Seam Roofing.



EXCELS ALL OTHER METAL ROOFS IN SIMPLICITY, EASE AND RAPIDITY OF APPLICATION.

MADE OF GENUINE HAMMERED STEEL, THE MOST DURABLE.

SUITABLE FOR ALL KINDS OF BUILDINGS, EITHER FLAT OR STEEP ROOFS.

CAN BE LAID OVER SHEATHING, SHINGLES OR LATH. EASILY ATTACHED TO ANY KIND OF VALLEY OR GUTTER. WIND, WEATHER, FIRE AND LIGHTNING PROOF.

THERE IS A SATISFACTION IN BUYING THAT WHICH IS KNOWN TO BE GOOD.

**"MODEL SAMPLE"**

Showing Plan and Quality Upon Application.

COMPARE WITH OTHERS.



## BERGER'S PATENT Simplified Folded Lock Seam.

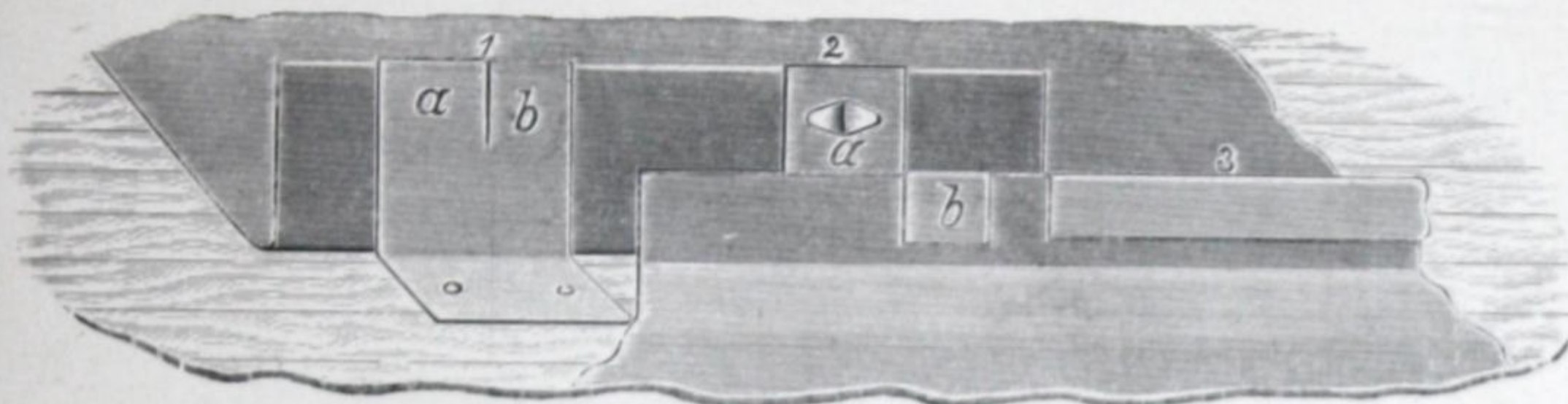


Fig. 1.—Cleat in position ready to be nailed to sheathing.

Fig. 2.—Cleat locked to  $1\frac{3}{4}$  inch edge of sheet and nailed to sheathing.

Fig. 3.—Seam folded complete.

Those having practical experience concede that this combination contains all the valuable points ever presented.


A Roof constructed of our STEEL and PATENT PLAN cannot get out of order, as our caps are made from and a part of the sheet and securely locked to the cleat (doing away with separate caps, rivets, exposed cleats, etc.) making it impossible to come loose or blow off as separate caps are liable to do.

A SQUARE consists of a strip 50 feet long, having a covering width of two feet, or a 50-foot length will finish 100 square feet on building, including the required cleats or fastenings, to be placed 12 to 14 inches apart.


Shipping weight (including cleats): No. 28 gauge Steel, painted, 73 pounds; Galvanized, 90 pounds. No. 27 gauge Steel, painted, 80 pounds; Galvanized, 97 pounds.

### SPECIAL TOOLS REQUIRED.

1 Pair Foot Seamers	\$10.00
1 Pair 1-inch Steel Tongs	2.50
1 Pair $1\frac{1}{2}$ -inch Steel Tongs	2.50
1 Pair Cleat Tongs	3.00
1 Pair Roofing Shears	2.00
1 Roofing Hammer	.75
1 Roofing Mallet	.25
1 Tool Chest	1.50
Total	\$22.50

 We do not send Shears, Hammer or Mallet, unless so requested.

NOTE:—Tools are loaned and must be returned, free of expense to us, when roof is complete.

 Always mark on shipping card by whom returned.



## OLD STYLE Double Seam Roofing.

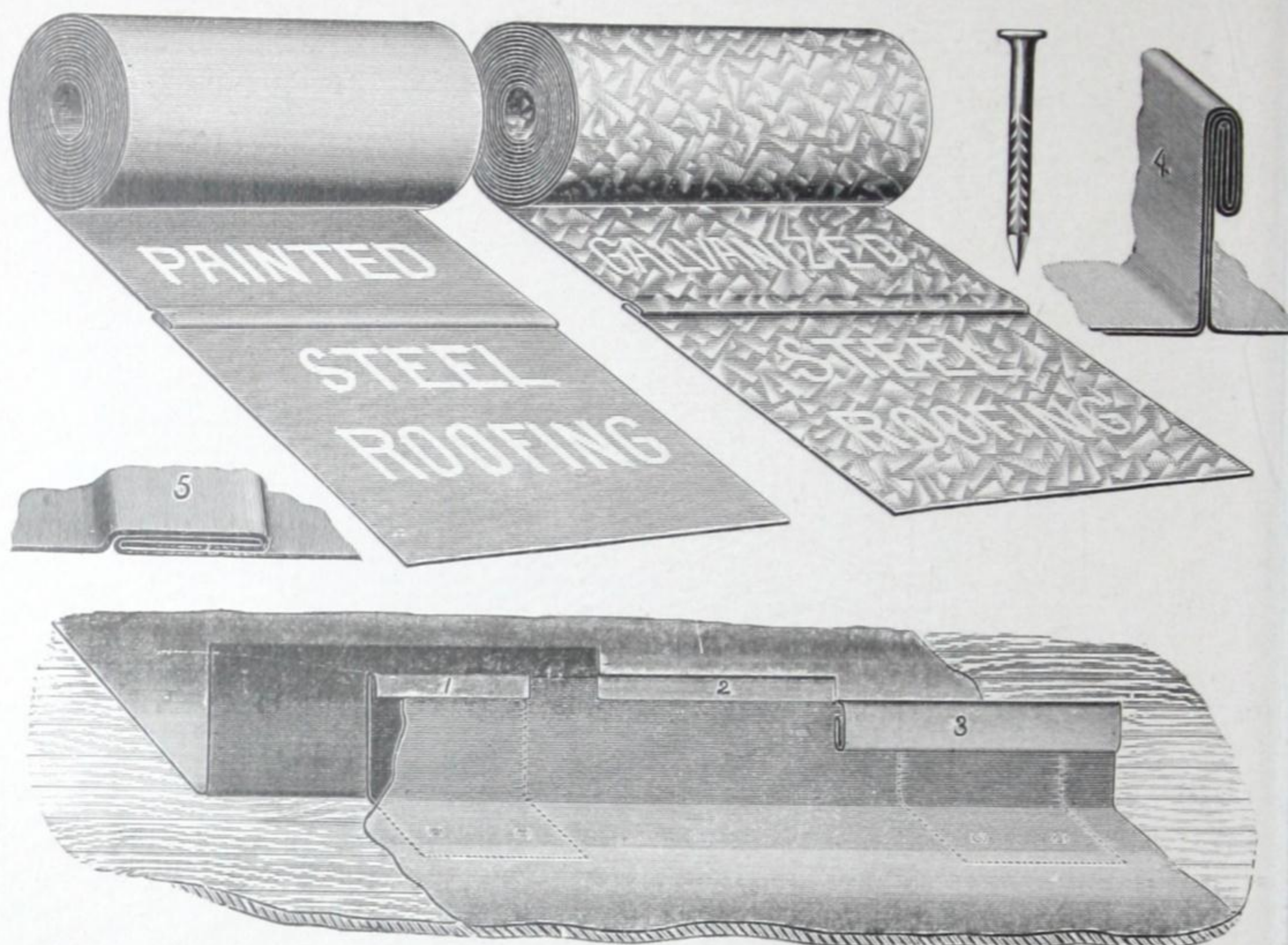



Fig. 1.—Cleat in position and nailed to sheathing.  
 Fig. 2.—Shows the first fold.  
 Fig. 3.—Second fold, which completes the double seam.  
 Fig. 4.—End view of double seam.  
 Fig. 5.—Elastic cross-lock.

The adaptability of this seam for flat roofs is certain, as by its construction a double fold is made the entire length of seam, therefore it is water-tight.

A SQUARE consists of a strip 50 feet long by  $26\frac{3}{4}$  inches wide, with necessary cleats, and will finish 100 square feet on building if applied with 1 inch and  $1\frac{1}{4}$  inch double seamers.

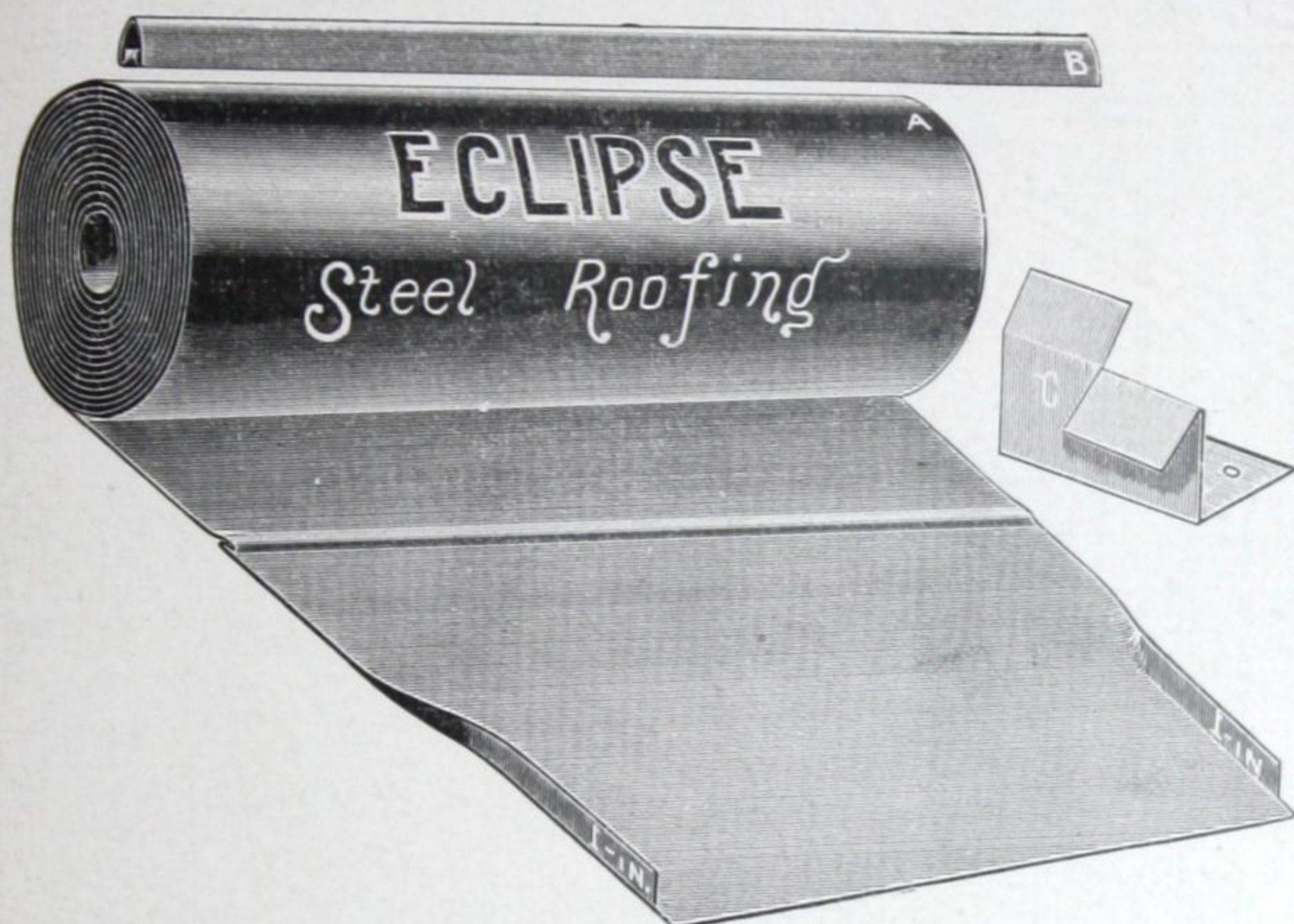
Shipping weight (including cleats): No. 28 gauge Steel, painted, 73 pounds; Galvanized, 90 pounds. No. 27 gauge Steel, painted, 80 pounds; Galvanized, 97 pounds.

 We never send tools unless so ordered, as all tanners use the regular tanners' seamers in applying this roofing. When tools are ordered we send the 1 inch and  $1\frac{1}{4}$  inch seamers.



## BERGER'S

## Eclipse Cap Seam Roofing.



"A"—Roll partly edged.

"B"—Metal Cap.

"C"—Metal Anchor.

The advantage this roof has over all other separate Cap Seam Roofing is that the cap is hooked to the anchor or cleat which holds it firmly to the standing seam.

The construction is simple, and it is the most easily and rapidly laid separate Cap Roofing on the market.

We make the metal Caps in 4 or 8-foot lengths, which we furnish with each square, cleats included. Each roll is 50 feet long; the covering width is 24 inches and will lay 100 square feet on building.

## Tools

Necessary to lay "Eclipse" Roofing as follows:

1 Edging Tong	-----	\$ .75
1 Cap Seamer	-----	1.00
1 Pair Snips	-----	2.00
Total Cost	-----	\$3.75

If tools are returned, free of expense to us, we will refund the amount charged.

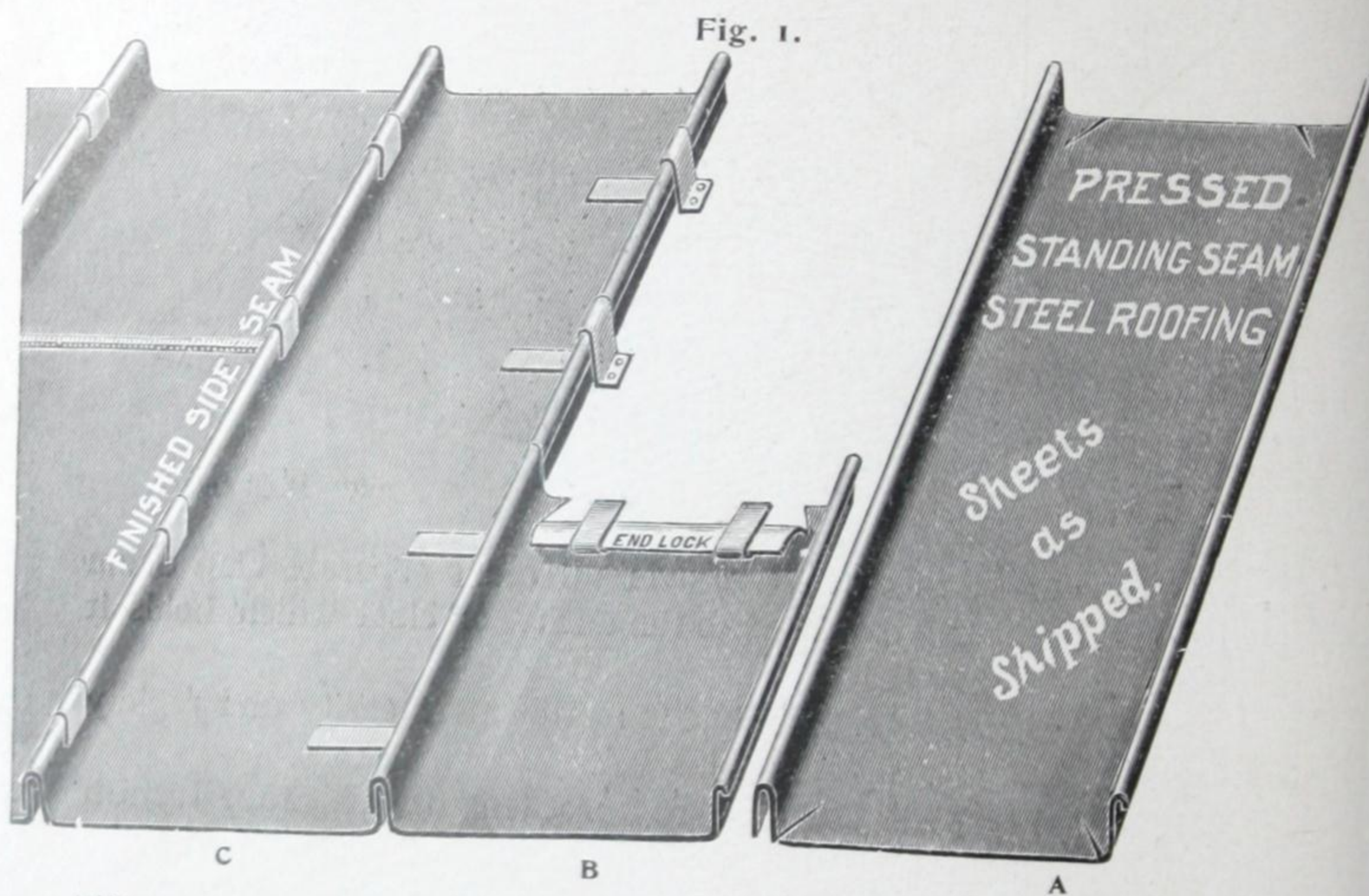
☞ Always mark on shipping card by whom returned.



## Pressed Standing Seam Roofing

Is a self capping standing seam, very simple in its application and effective in its construction. The sheets are formed with a cap on each side, which makes a stronger, better roof than when separate caps are used.

We recommend it for steep roofs, as there are no edges to be turned up, but it may be used on any pitch roof, and laid over sheathing, shingles or lath.



"A" represents Sheet as shipped. "B" explains method of application. "C" shows finished seam.

One square consists of  $6\frac{1}{4}$  sheets 24 x 96 inches, or equivalent (including cleats), and will lay one square less the lock or lap at end of sheets.

It is easy to fit any space, as the sheets may be spliced by turning and locking ends together. All pieces may be used and no waste occurs.

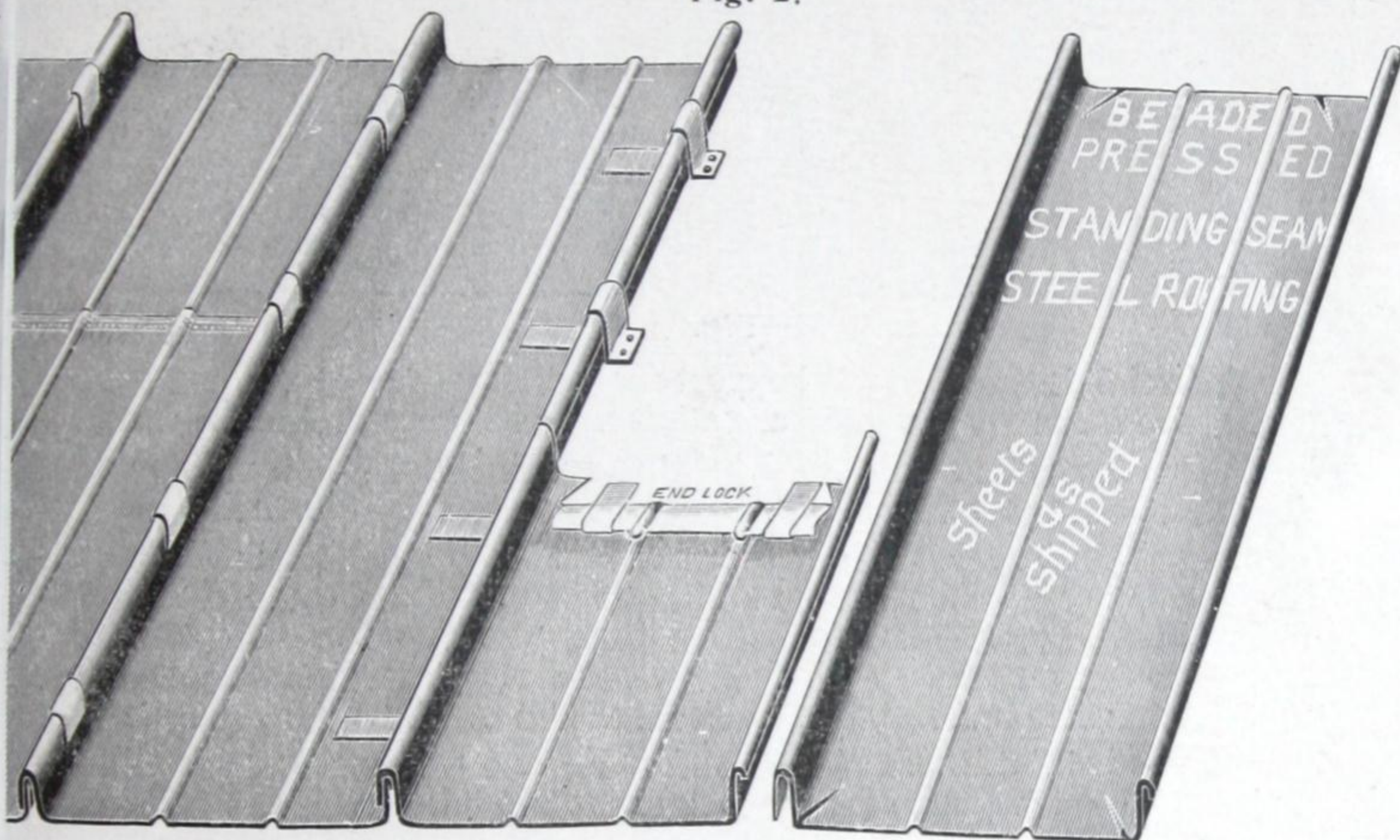
Shipping weight (including cleats): No. 28 gauge Steel, painted, 73 pounds; Galvanized, 90 pounds. No. 27 gauge Steel, painted, 80 pounds; Galvanized, 97 pounds.



## BEADED

## Pressed Standing Seam Roofing.

Fig. 2.



This cut shows a roof of same construction as explained in Fig. 1, except the beads between the standing seams. The object of the beads is to stiffen the sheets and prevent rattling.

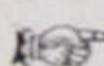
The number of sheets to a square, weight and quality are the same as Fig. 1.

## Tools

Necessary to lay Figures 1 and 2.

1 Cap Seamer	-----	\$1.00
1 End Lock Former	-----	.75
1 Pair Snips	-----	2.00
Total Cost	-----	\$3.75

If tools are returned, free of expense to us, we will refund the amount charged.

 Always mark on shipping card by whom returned.



## SEMI-STEEL V Crimp Roofing.

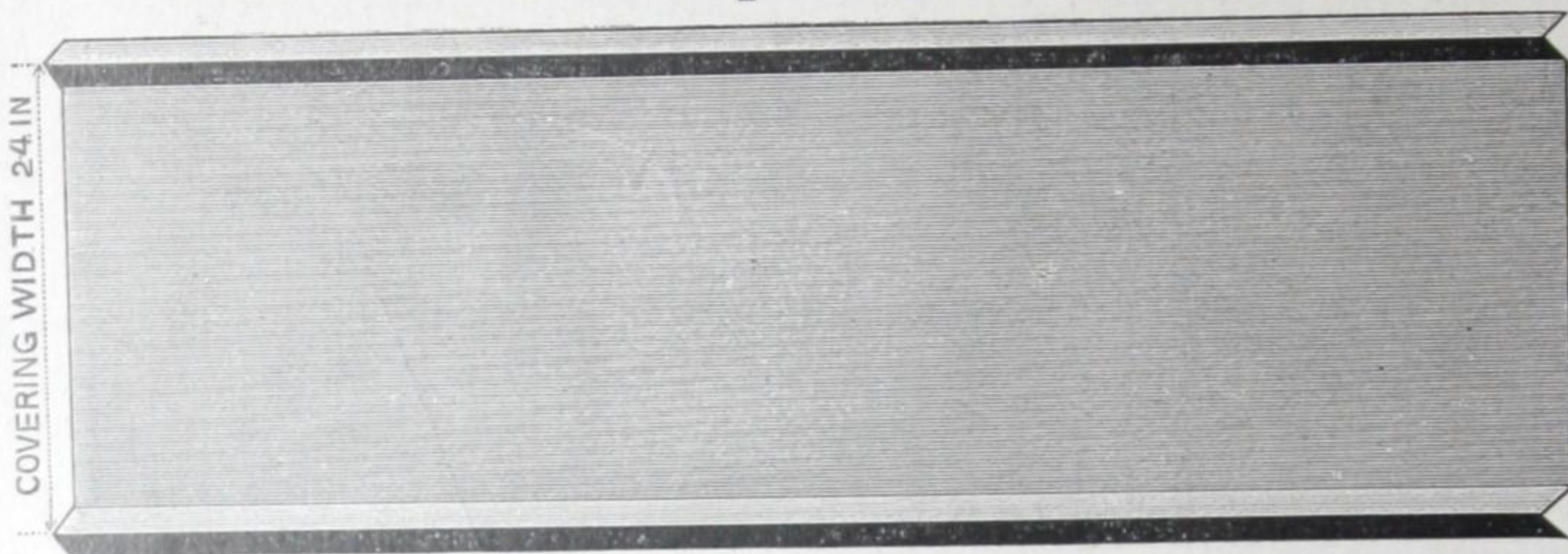


Fig. 3.

The simplest style and cheapest form of any metal Roof manufactured, and for many purposes as satisfactory as more expensive kinds.

We recommend this Roof to those wishing a good, cheap and durable covering for barns, warehouses, saw mills, cotton sheds, etc.

Fig. 3 shows sheet of our Pressed V Crimp Roofing as shipped. Sheet will lay 24 inches from center to center of crimps, and is furnished in 5, 6, 7, 8, 9 and 10 foot lengths. We ship No. 28 gauge, 8 foot sheets and necessary triangular wood strips, nails and dry paint, unless otherwise ordered, but when furnished are charged separately.

One square consists of  $6\frac{1}{4}$  sheets 24 x 96 inches, or equivalent, and will lay one square less the lock or lap at end of sheets.

## Three Crimp Roofing.

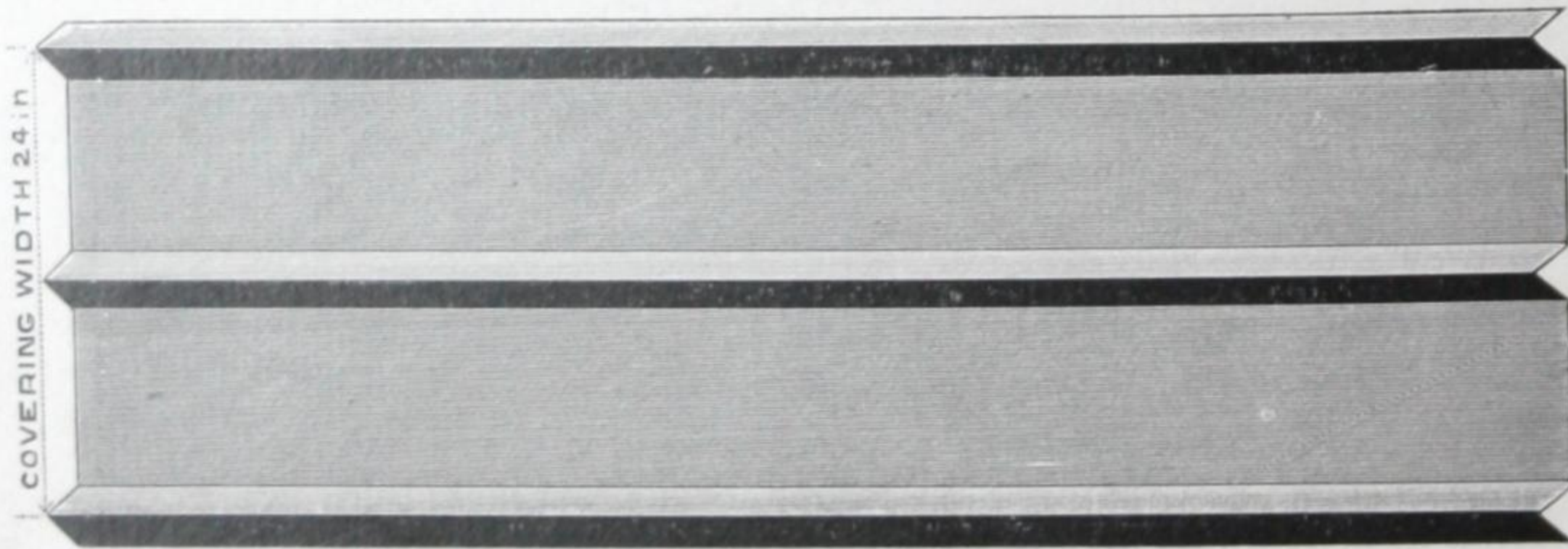


Fig. 4.

Shows our Pressed Three Crimp Roofing. The center crimp stiffens the sheet and prevents rattling. The sheet lays two feet, being 24 inches from center to center of outside crimps. The number of sheets to a square, quality and weight, same as Two Crimp, Fig. 3. Requires double as many wood strips, and is 10 cents per square higher in price than Two Crimp.



## Application of Crimp Roofing.

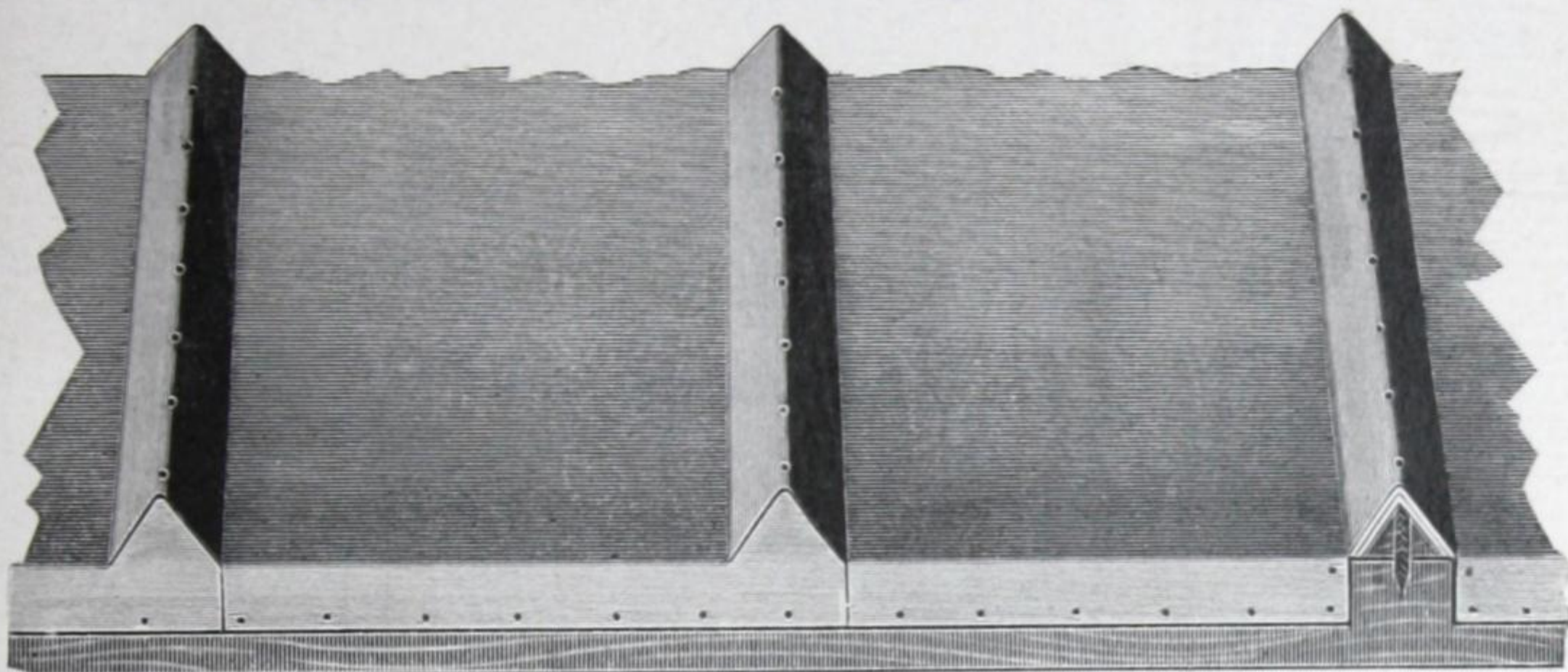


Fig. 5.

May be laid over sheathing, shingles, lath, or direct to rafters placed 24 inches from center, on any roof having more than two inches pitch to the foot. The ends of sheets can either be lapped 3 inches, or more, or put together with lock joint.

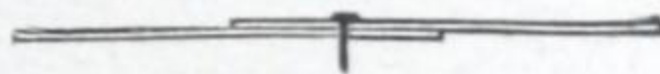


Fig. 6.

Shows Lap Joint as nailed.



Fig. 7.

Shows Lock Joint as applied to sheathing. If desired to lay with end locks, cut each end of sheet  $\frac{5}{8}$  inch, as shown by A in Fig. 1, and when put on roof mallet the joints down close.

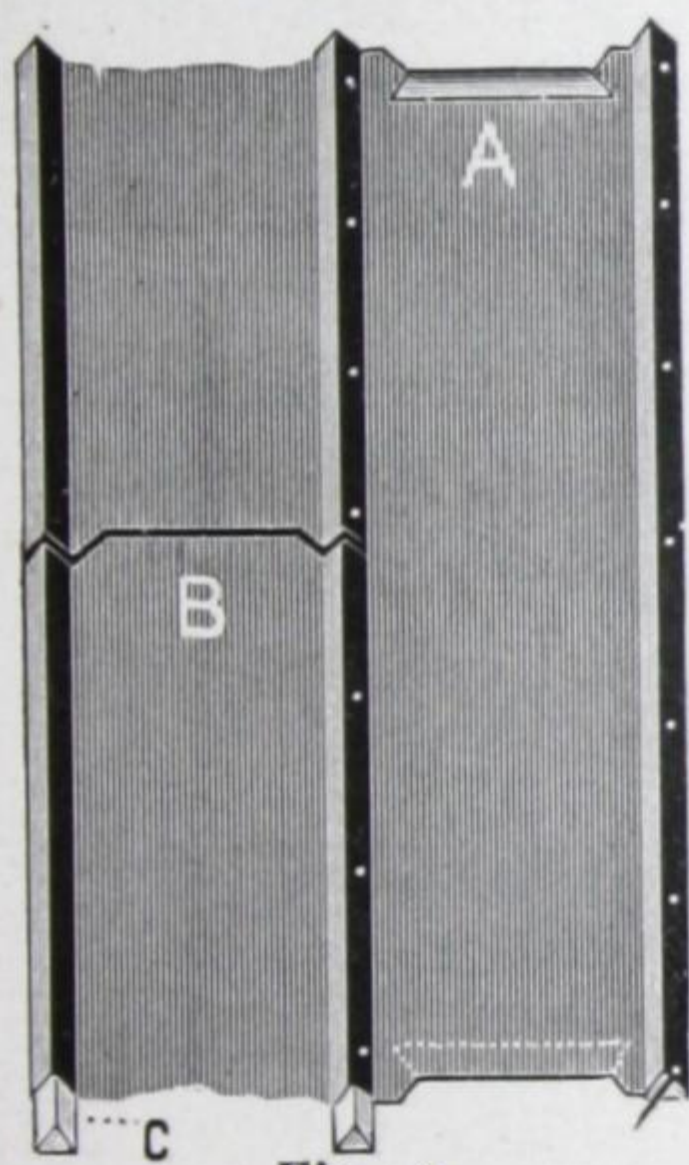


Fig. 9.

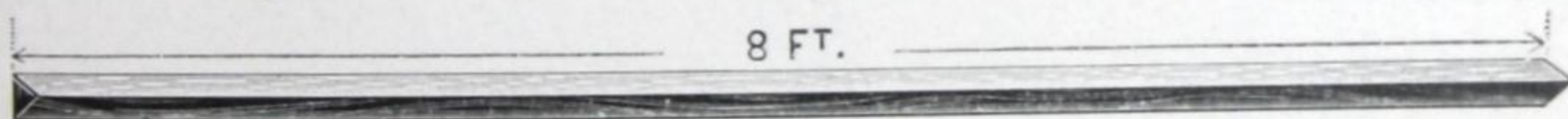


Fig. 8.

Shows triangular Wood Strip (C) to be used under the crimps, and nail as indicated in Fig. 9. Use  $1\frac{3}{4}$  inch Wire Nails, which will reach through the top of crimps and stick into the sheathing or roof supports.

A Ridge Roof may be finished by lapping sheets over the ridge or by using our Ridge Capping, page 32. When ordered, we send one pair Tinner's Snips, and one End Lock Former, charging cost. We will refund the amount charged when the tools are returned in good order, Express Prepaid. Always mark on shipping card by whom returned, to insure proper credit.



# Pressed Corrugated Iron,

—FOR—

SIDING, CEILING, DOORS, SHUTTERS,  
AWNINGS, ETC.

Made of Black, Painted and Galvanized Iron.

Corrugated is the strongest known form of Sheet Metal, and imparts material strength by its lineal rigidity to the structure to which it is attached.

Its legitimate use is for Siding. It is the best material known for use on structures of moderate cost, that are intended to be fire-proof.

The rigidity imparted to comparatively light sheets by corrugating makes them self-supporting, thereby permitting their use on light, inexpensive framing, the result being a substantial building, with a handsome architectural appearance.

**We Recommend** Corrugated Iron especially for siding, ceiling and partitions for fire-proof buildings, and it is only necessary to suggest the advantage of using this material for such protection.

**For Roofing**, we advise the use of our **Berger's Patent Lock-Seam Steel Roofing**, because the joints in Corrugated Iron are simply laps, and a casual examination will show that, except on steep roofs, the lap joints will prove defective and liable to leak in driving storms. **This Criticism** on Corrugated Iron for roofing applies to all corrugated sheets by whomsoever manufactured.

**Our Machinery** for corrugating is the latest improved. It presses the iron, making one impression at a time, forming the corrugates true and even, giving superior strength, making laps fit perfectly tight, which cannot be done with Corrugated Iron made on cylinder rolls, used by most all the manufacturers.

**NOTE.**—All of our Corrugated Iron measures 24 inches from center to center of last corrugations.



## How to Estimate Amount and Cost of Corrugated Iron.

First select the best lengths of sheets to fit the space, bearing in mind the end laps. On Siding one inch lap will do, while for Roofing nothing less than three inches, and if a slight pitch, six inches, for end lap. As each sheet lays just two feet wide, it is a simple matter to ascertain the number of sheets necessary to cover the space. Then estimate the number of feet in our two and one-half ( $2\frac{1}{2}$ ) and three (3) inch sheets, as follows :

6 feet long, 13 sq. feet, lay 2 feet wide, selling measure 26 in. wide.  
 7 feet long,  $15\frac{1}{8}$  sq. feet, lay 2 feet wide, selling measure 26 in. wide.  
 8 feet long,  $17\frac{1}{8}$  sq. feet, lay 2 feet wide, selling measure 26 in. wide.  
 9 feet long,  $19\frac{1}{8}$  sq. feet, lay 2 feet wide, selling measure 26 in. wide.  
 10 feet long,  $21\frac{1}{8}$  sq. feet, lay 2 feet wide, selling measure 26 in. wide.

On  $1\frac{1}{4}$  inch or small Corrugate Sheet, figure as follows :

6 feet long,  $12\frac{1}{2}$  sq. feet, lay 2 feet wide, selling measure 25 in. wide.  
 7 feet long,  $14\frac{7}{8}$  sq. feet, lay 2 feet wide, selling measure 25 in. wide.  
 8 feet long,  $16\frac{3}{8}$  sq. feet, lay 2 feet wide, selling measure 25 in. wide.

When necessary we can cut sheets in the middle and give half sheets of any of the above lengths. When we cut to odd inches, say 7 feet 9 inches, we charge for an 8 foot sheet, unless we have two or three weeks in which to fill order, so as to have the sheets made odd sizes.

We always ship No. 28 Gauge, 8 foot sheets, when not otherwise specified in order.

As no allowance is made for laps, the following table gives the number of square feet necessary to cover one square (100 sq. ft.) of surface, providing there is no waste in cutting.

These tables are based on using 96 inch sheets; if longer or shorter lengths are used there will be a slight variation from the following estimate.

### ESTIMATE FOR $2\frac{1}{2}$ OR 3 INCH CORRUGATIONS :

END LAP.		1 inch.	2 inches.	3 inches.	4 inches.	5 inches.	6 inches.
Side Lap 1	Corrugate	110 sq. ft.	111 sq. ft.	112 sq. ft.	113 sq. ft.	114 sq. ft.	115 sq. ft.
" $1\frac{1}{2}$	"	116 "	117 "	118 "	119 "	120 "	121 "
" 2	"	123 "	124 "	125 "	126 "	127 "	128 "

### ESTIMATE FOR $1\frac{1}{4}$ INCH CORRUGATION :

END LAP.		1 inch.	2 inches.	3 inches.	4 inches.	5 inches.	6 inches.
Side Lap 1	Corrugate	$105\frac{1}{3}$ sq. ft.	$106\frac{1}{6}$ sq. ft.	$107\frac{5}{12}$ sq. ft.	$108\frac{1}{3}$ sq. ft.	109 sq. ft.	$110\frac{7}{12}$ sq. ft.
" $1\frac{1}{2}$	"	109	110	111	$112\frac{1}{6}$	$113\frac{1}{4}$	$115\frac{1}{3}$
" 2	"	$111\frac{1}{3}$	$112\frac{1}{2}$	$113\frac{1}{6}$	$113\frac{2}{3}$	115	$116\frac{5}{12}$

The covering width of all our sheets is two (2) feet.



# Corrugated Sheet Iron.

## Painted or Galvanized.

We desire to call your attention to the following illustrations of Corrugated Sheet Iron for Roofs, Sides, Ceilings and Partitions for fire-proof buildings.

It can be applied on wood or iron rafters or sheathing. By our improved machinery we are enabled to furnish these goods with corrugations of uniform shape and sizes (so there will be no trouble in making the sheets fit when applied with accuracy). They are sheared accurately on sides and ends, and every corrugation is perfect. Any one who can drive a nail can attach same correctly. The following cuts and descriptions show the different kinds we make.

When asking quotations on, or ordering Corrugated Iron, please note the following are the sizes, widths and lengths we manufacture:

### One and one-quarter inch Corrugated Iron.

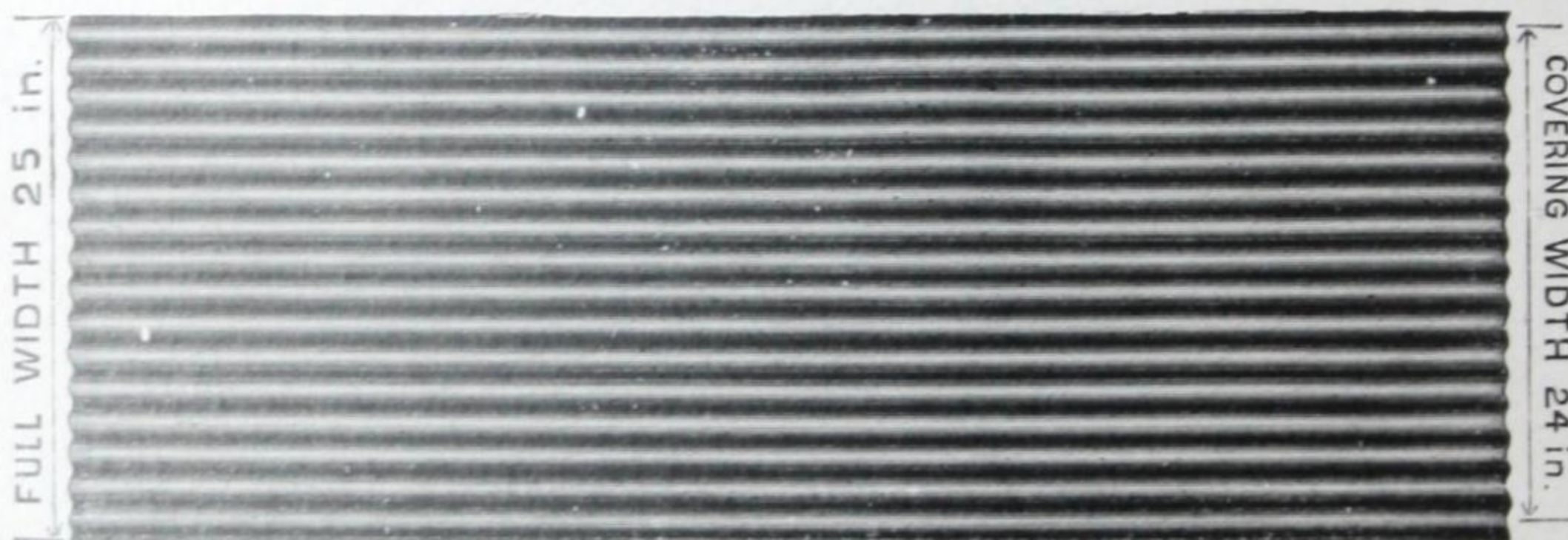
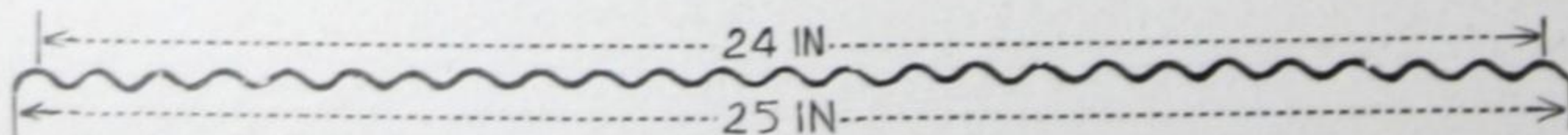


Fig. 10.

Corrugations one and one-quarter inch from center to center, and three-eighths of an inch deep. This is used mostly for Ceiling, Siding and Partitions. Sheets when corrugated measure 25 inches wide, and will cover 24 inches from center to center of outside corrugations, as shown by

Fig. 11.



See "HOW TO ESTIMATE," page 83. Be sure to provide for laps, as we ship just what order calls for.



## Two and One-Half Inch Corrugated Iron.

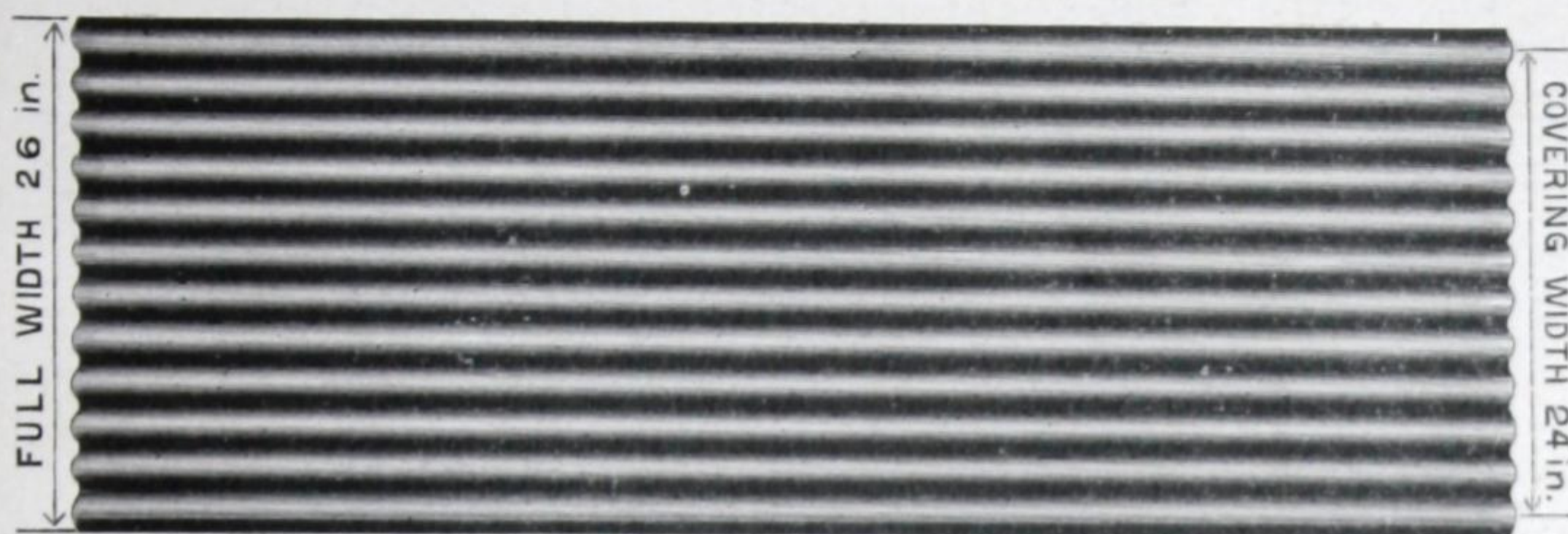
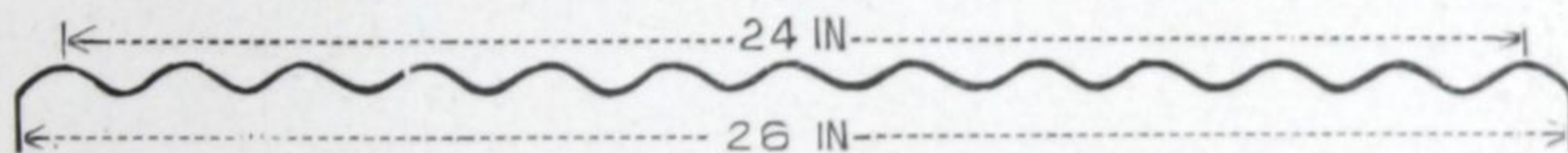


Fig. 12.

Corrugations two and one-half inches from center to center, and five-eighths of an inch deep. This style is suitable for Roofing, Siding, Partitions, Curved Ceilings and Awnings. Sheets when corrugated measure 26 inches wide, and will cover 24 inches from center to center of outside corrugations, as shown by

Fig. 13.



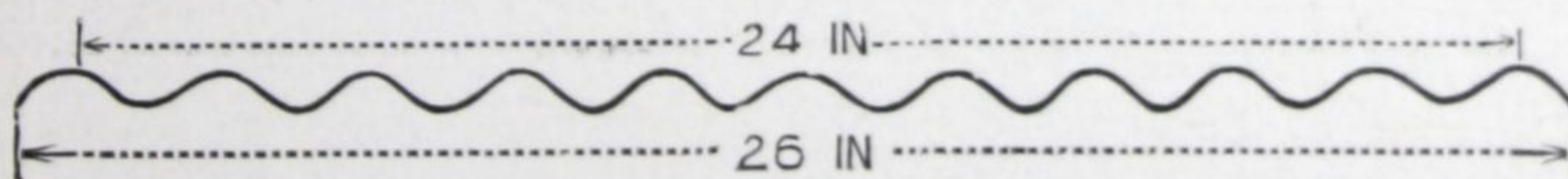
## Three Inch Corrugated Iron.



Fig. 14.

Corrugations three inches from center to center, and three-fourths of an inch deep. Suitable for all kinds of Roofing, Siding and Ceilings. Sheets when corrugated measure 26 inches wide, and will cover 24 inches from center to center of outside corrugations, as shown by

Fig. 15.



Corrugated Sheets 3, 4, 5, 6, 7, 8, 9 and extreme length 10 feet. In any gauge from No. 16 to 28 inclusive.



# Corrugated Ceiling Sheets.

For Ceilings, Partitions, Wainscoting, Lining, Inside  
Wooden Frame Work, Etc.

Extensively used for ceiling designs, in combination with Style A and B sheets, (see page 102), making an attractive, as also the cheapest sheet metal ceiling produced.

$\frac{5}{8}$  INCH CORRUGATION.

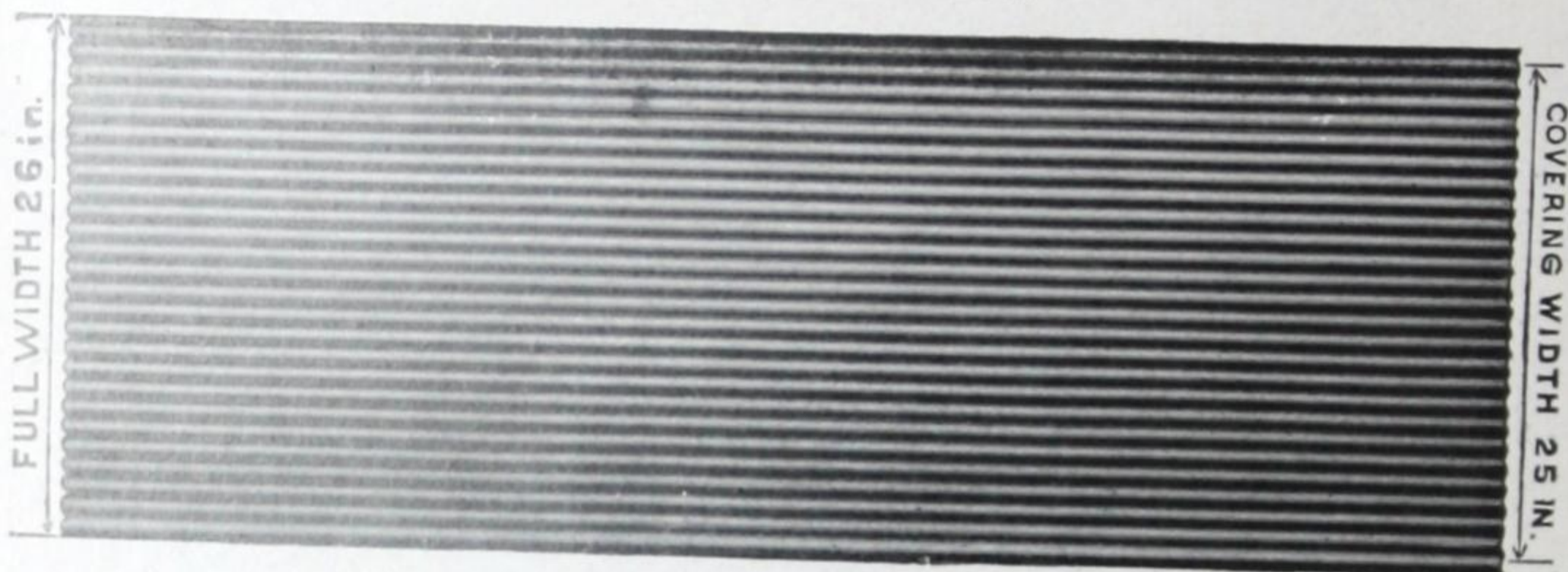


Fig. 16.

Corrugations five-eighths inch from center to center, and three-sixteenths inch deep. Sheets when corrugated measure 26 inches wide, and will cover 25 inches from center to center of outside corrugations. Can furnish in 4, 5, 6, 7, 8, 9 and 10 foot lengths.

$\frac{3}{8}$  INCH CORRUGATION.

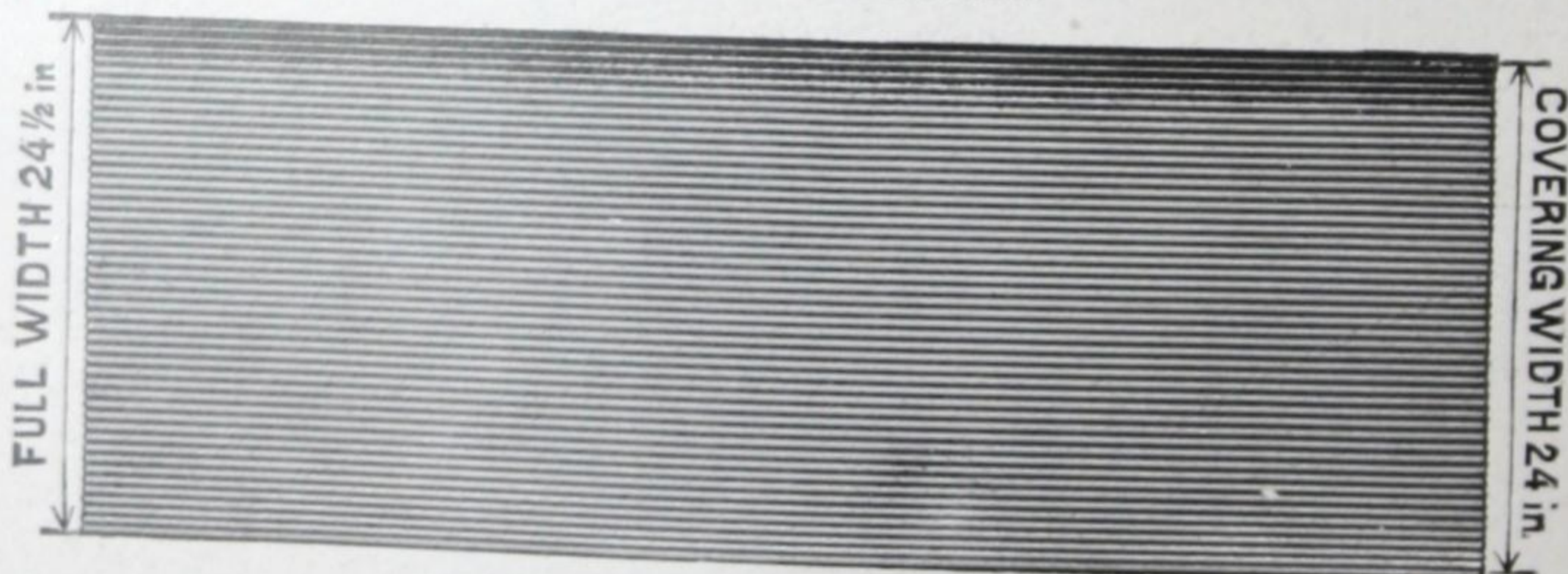


Fig. 17.

Corrugations three-eighths inch from center to center. Sheets when corrugated measure 24½ inches wide, and will cover 24 inches from center to center of outside corrugations. Can furnish in 4, 5, 6, 7 and 8 foot lengths.



## Instructions for Applying CORRUGATED IRON SIDING.

Commence at left hand corner in applying the courses from Base to Cornice, giving sheets from 1 to 2 inches lap at end, and one corrugation lap at side. Nail side laps every 6 inches and end laps in every other corrugation in  $2\frac{1}{2}$  inch corrugations, and every third corrugation in  $1\frac{1}{4}$  inch corrugations, driving nails as shown in

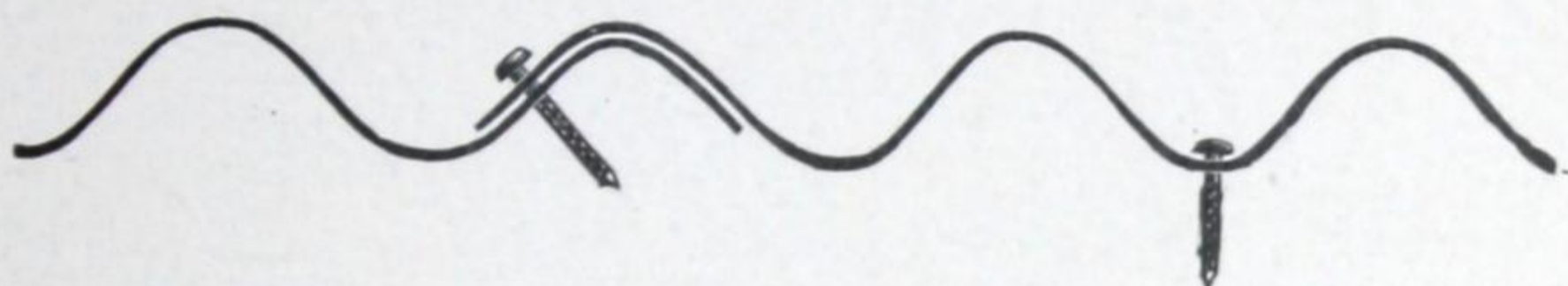
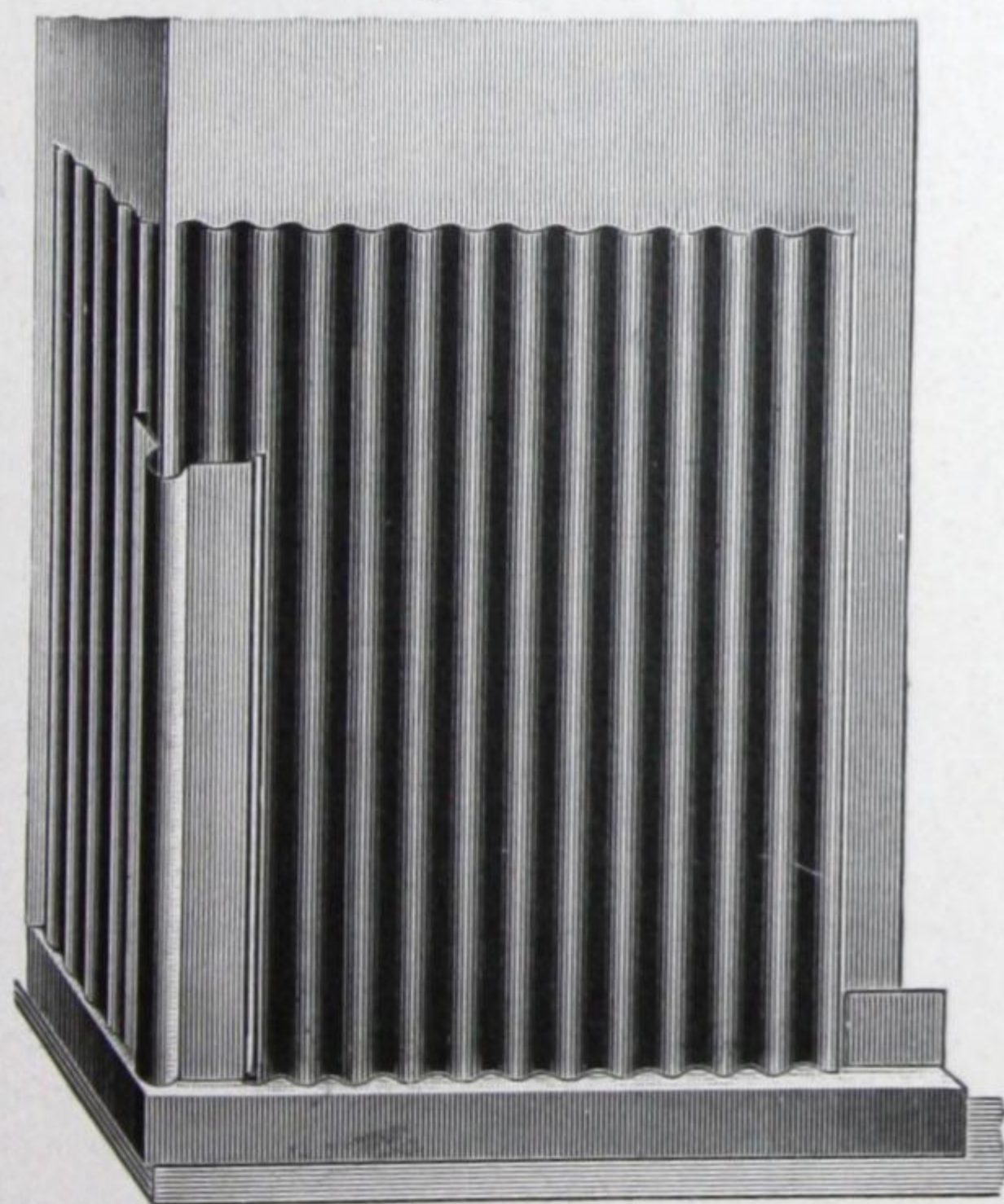


Fig. 18.

Care should be taken that the iron is kept a few inches from the ground. We usually use a base board 6 to 12 inches wide, partially covered with plain iron for base, with flange of 2 inches to go up under the corrugated iron, and corners can be filled up with Iron Roll, as shown in

Fig. 19.



If Siding is put on studding, care should be taken to have the studding same distance between centers as the width of iron used, and pieces of wood will have to be put in between studding at end of sheets to nail to, or end laps can be riveted. If Posts are used, Girts can be placed 2 to 8 feet apart, and side laps riveted about every 12 inches.

N. B.—Full details are given in the Instruction Sheet for laying Corrugated Iron Roofing.



# Corrugated Iron Siding,

MANUFACTURED EXPRESSLY FOR

## GRAIN ELEVATORS, MILLS AND HIGH BUILDINGS,

Where There is Liability of Building Settling.

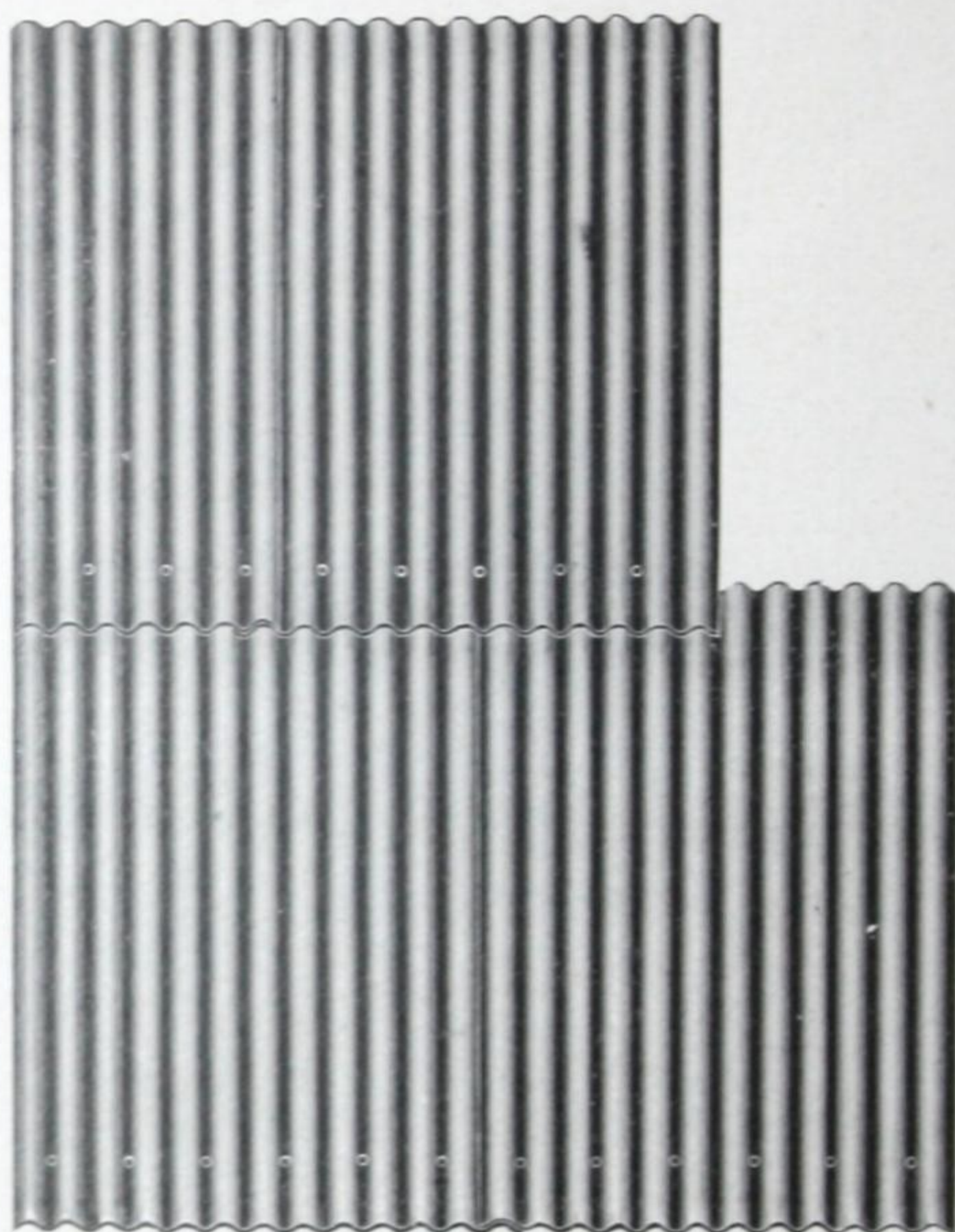


Fig. 20.

Regular size, 32 inches long by 26 inches wide.

Fig. 20 shows Corrugated Iron for Grain Elevators.

Corrugations same as Figs. 10, 12 and 14.

Sheets are laid in such a manner that the elevator sides have a chance to settle without disturbing the fastenings of sheets. Our  $2\frac{1}{2}$  and 3 inch Corrugated Sheets are 26 inches wide by 32 inches long, and cover 24 inches.  $1\frac{1}{4}$  inch Corrugated Sheets are 25 inches wide by 32 inches long and cover 24 inches. The sheets are laid with a 2 inch end lap, and the nails are 2 inches above the upper edge of lower sheets, thus allowing the sheets to slip 2 inches in every 32 inches as the sides of the elevator settle, and will not buckle or draw the nails.



## For Roofing,

Three to six inches, according to pitch, should be used for end lap, and one and one-half corrugates for side lap, as shown in Fig. 21. Observe that the left edge curves downward and the right hand edge curves upward, when made special for one and one-half corrugations for side lap. Two corrugates are sometimes used for side lap, but are no better than one and one-half.



Fig. 21.

## Corrugated Iron Roofing.

CORRUGATED IRON is used for roofing some kinds of buildings, though for roofing, we advise the use of Berger's Patent Folded Lock. Seam Steel Roofing, except where heavy gauges are wanted, as the joints in corrugated iron are simply laps, and liable to leak, unless a good end lap and one and one-half or two corrugates are used for side lap.

## Pitch of Roof.

We would not advise the use of Corrugated Iron on any roof of less pitch than three inches to the foot, and more is better.

Truss roofs should have pitch of one-fifth to one-fourth.

## Distance Between Supports on Roof.

For Corrugated Iron Roofing, No. 26 Gauge and lighter had better be laid on close boarding, or strong lath not more than 1 to 2 feet apart.

No. 24 can be used on purlins 2 to 4 feet from centers.

No. 20 to 22 can be used on purlins 4 to 5 feet from centers.

No. 18 can be used on purlins 6 to 7 feet from centers.

No. 16 can be used on purlins 7 to 9 feet from centers.



## Showing Hip Covered.

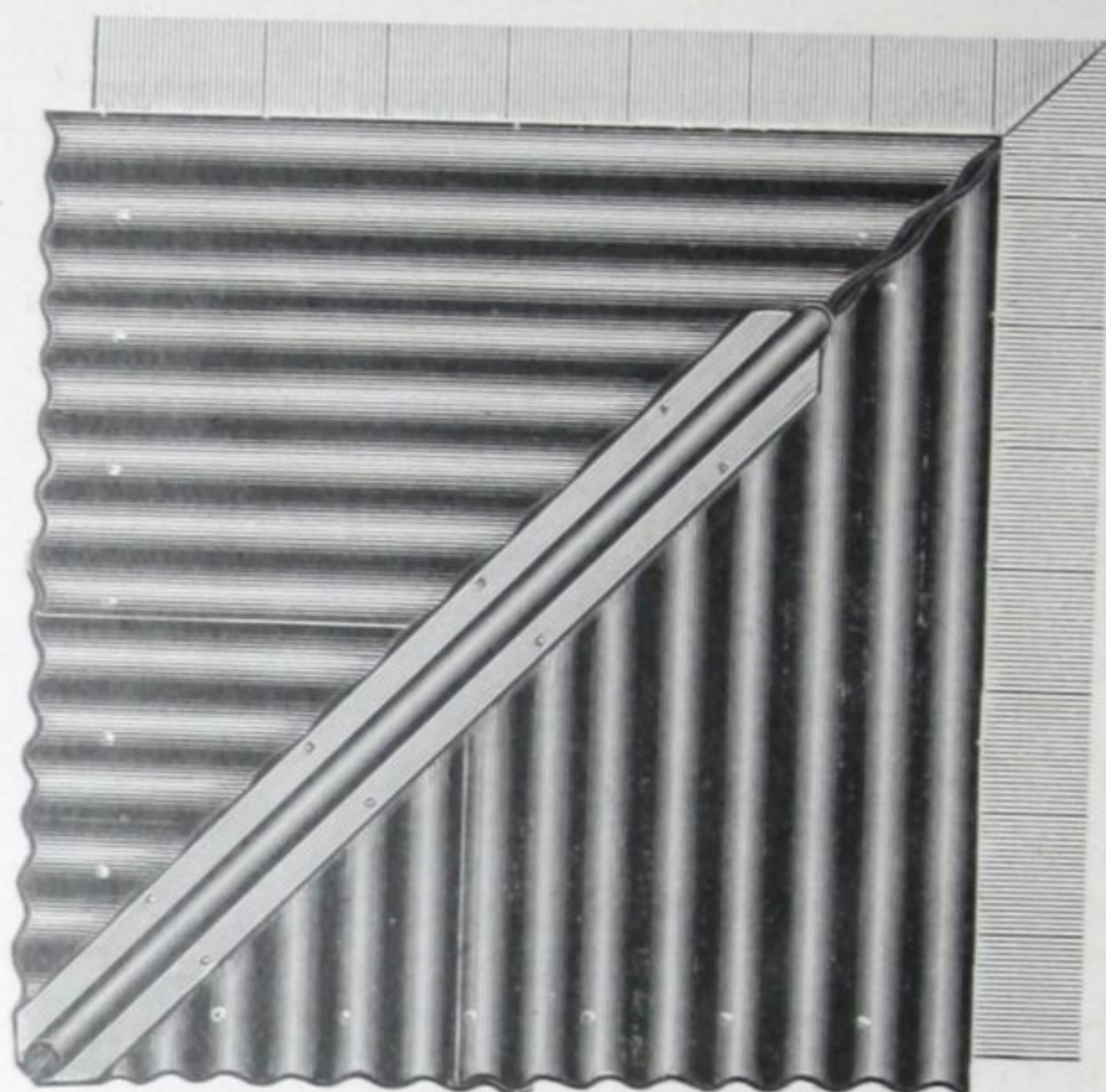


Fig. 22.

Shows manner of applying Ridge Roll to a Hip on Corrugated Iron Roof.

## Shows Valley in Corrugated Iron Roof.

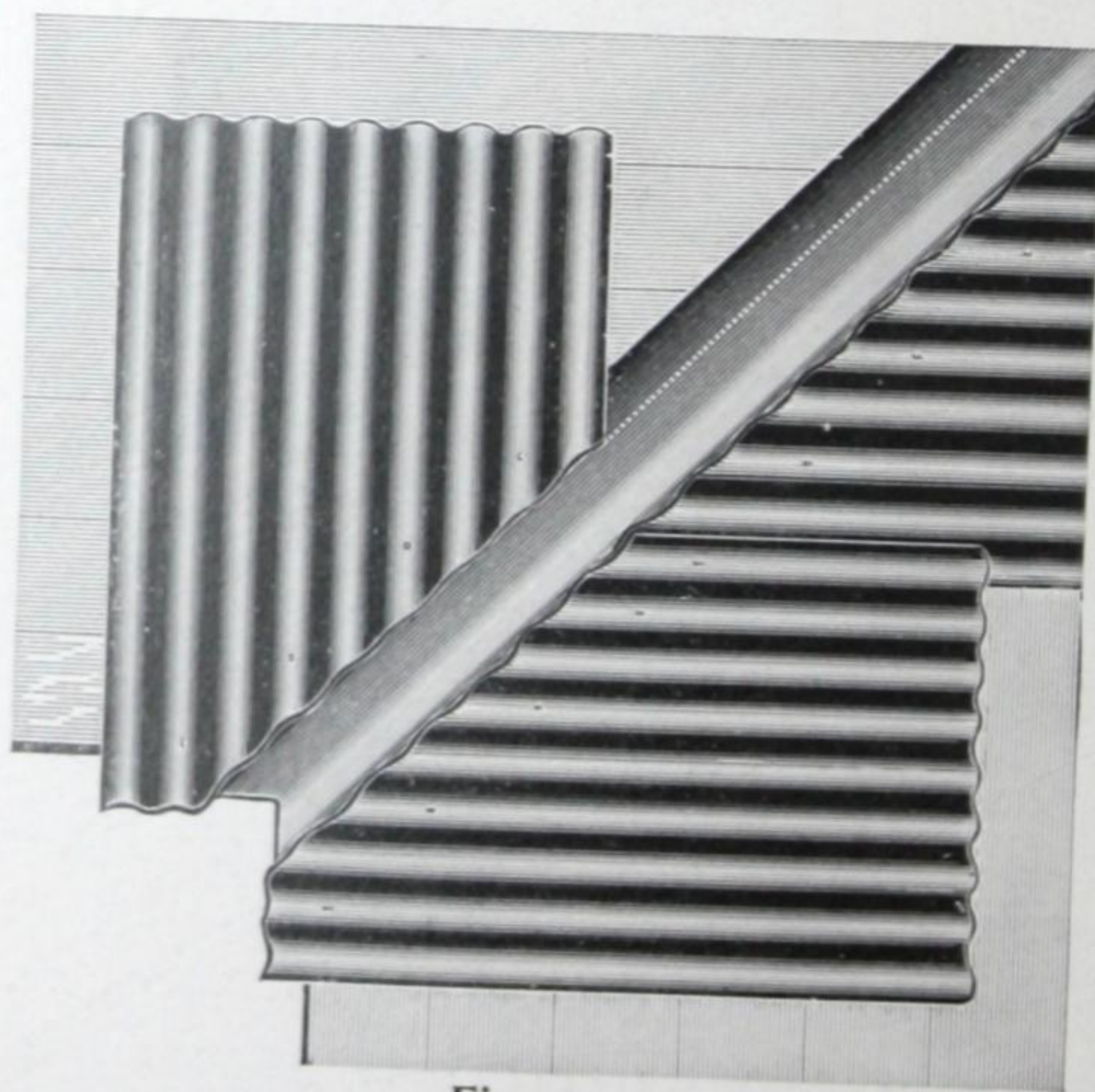


Fig. 23.

The wide Valley is laid first, and the Corrugated Sheets cut to correspond with angle and lapped over the edge of Valley several inches, as shown.



## Corrugated Sheets.

### CHIMNEY FLASHINGS.

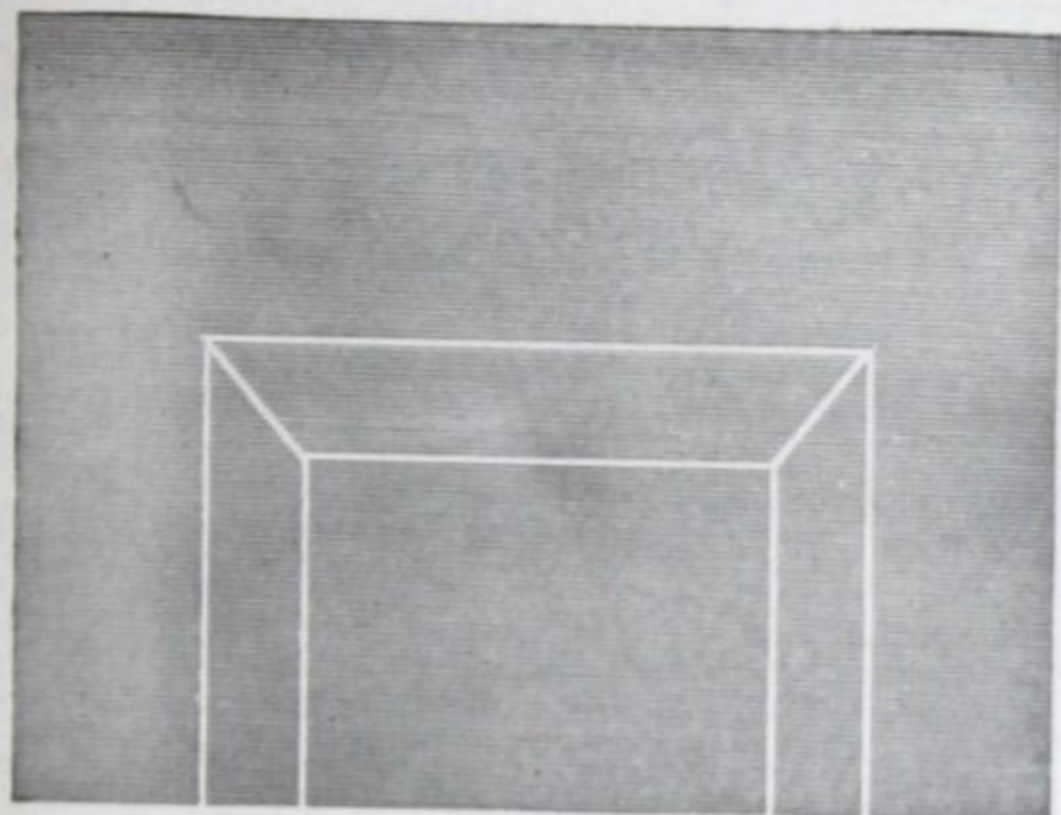


Fig. 24.

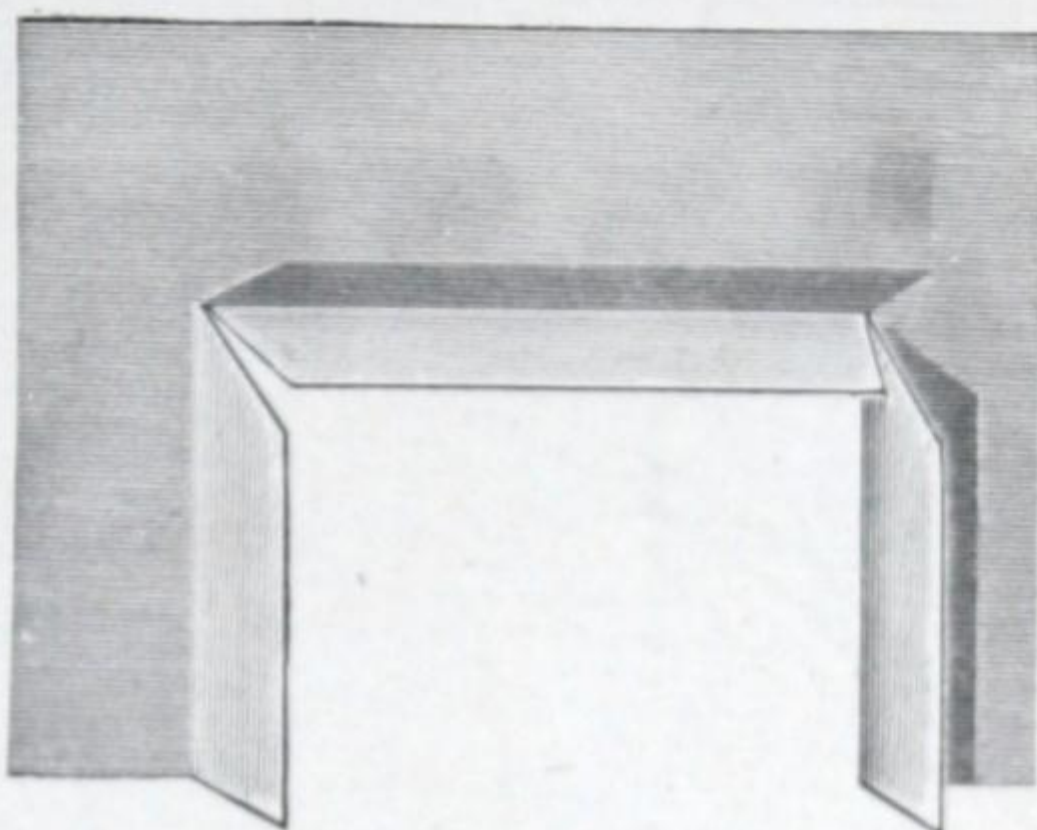


Fig. 25.

To fit around a chimney take a plain piece of sheet iron or steel of required size, and mark so as to leave a flange of 6 to 8 inches when cut, as shown in Fig. 24. Cut at inside lines, and turn at outside lines to form flanges to fit around chimney, as shown in Fig. 25.

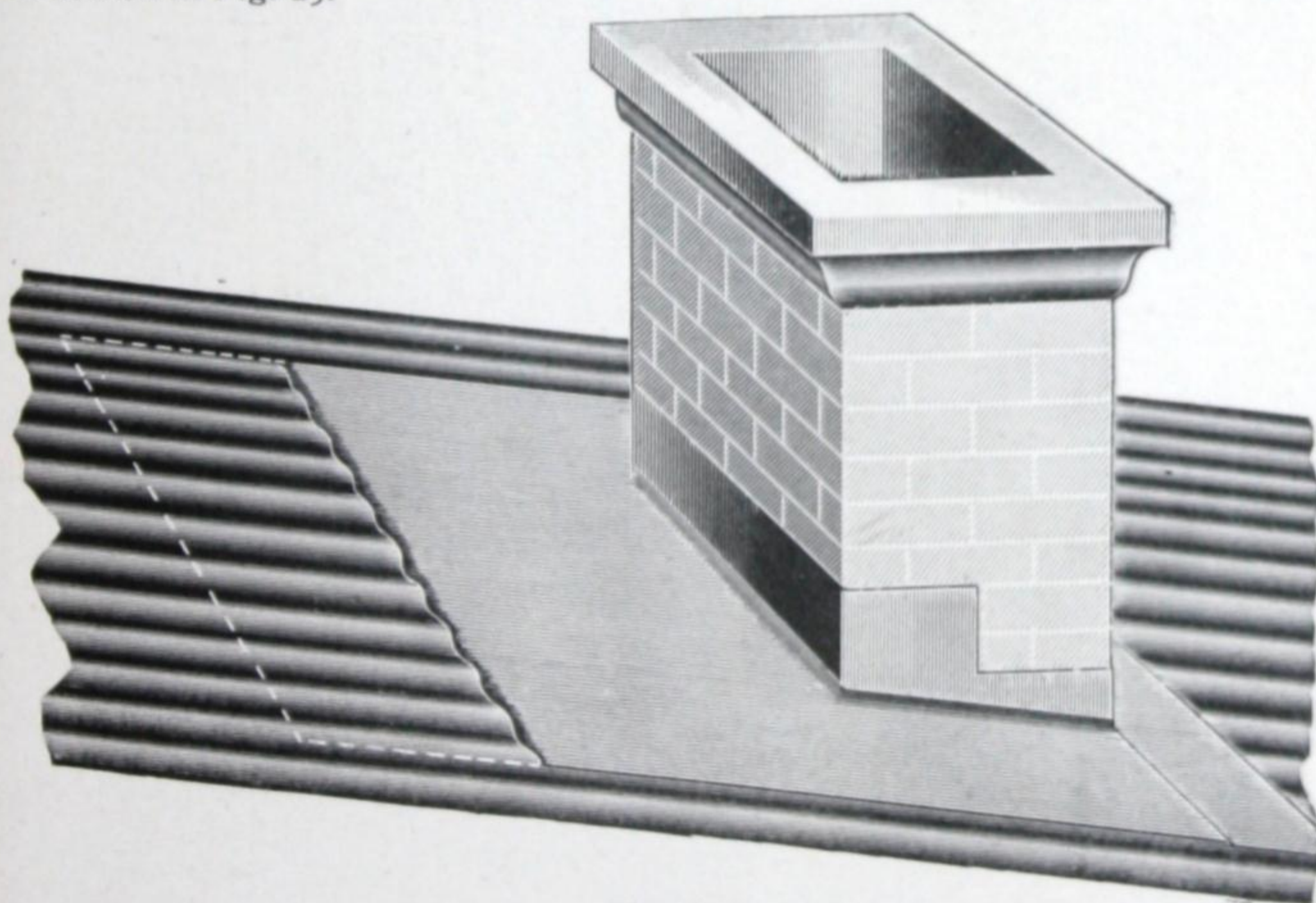


Fig. 26.

Place this sheet (Fig. 25) in position around the chimney, and in laying the corrugated sheet leave about six inches above the upper side of the chimney for water channel, allowing the plain sheet to run up under the corrugated sheet about 12 inches. Form corner pieces of iron to fill around the corners of chimney left open; fill with our cement and then counter-flash over the flanges, allowing the flashing at lower side of chimney to project over the corrugated sheet not less than six inches, as shown in Fig. 26.



## Curved Iron.

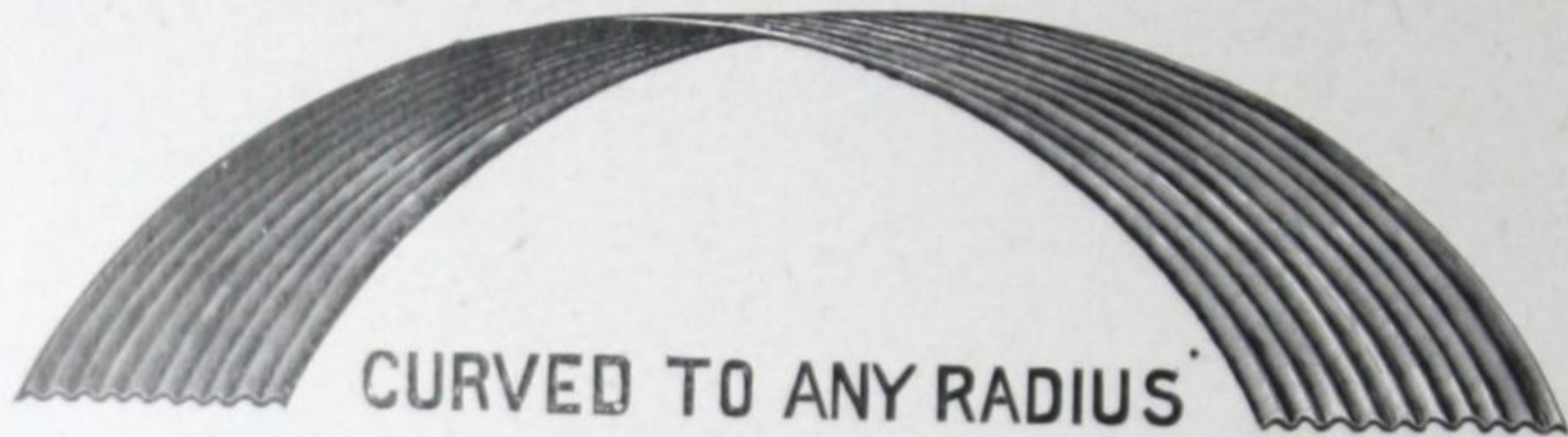


Fig. 27.

Shows corrugated sheet for Roofing and Ceiling. We curve the sheets to any required radius, and of any strength. We curve the corrugation as shown in Fig. 11 in any gauge, from 16 to 26, inclusive. We guarantee all curving perfect and to correspond with specifications furnished.

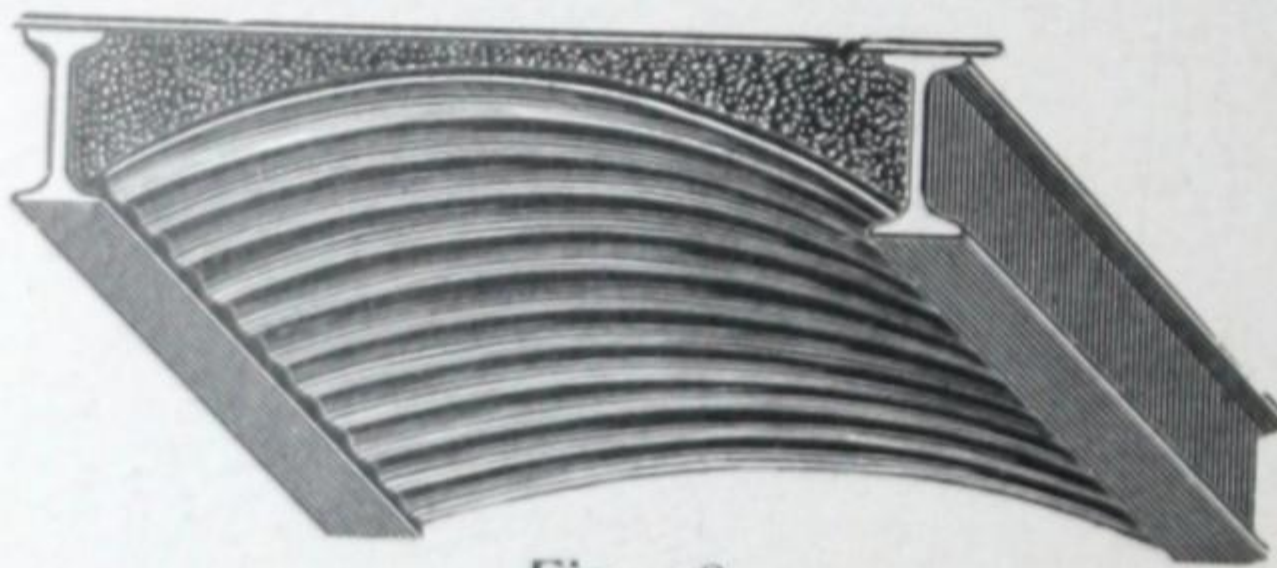


Fig. 28.

Shows application of Curved Iron on floor beams, for Ceilings in fire-proof buildings after concrete filling is put in. The Ceilings can be painted in any color to suit. Prices quoted on specifications only.

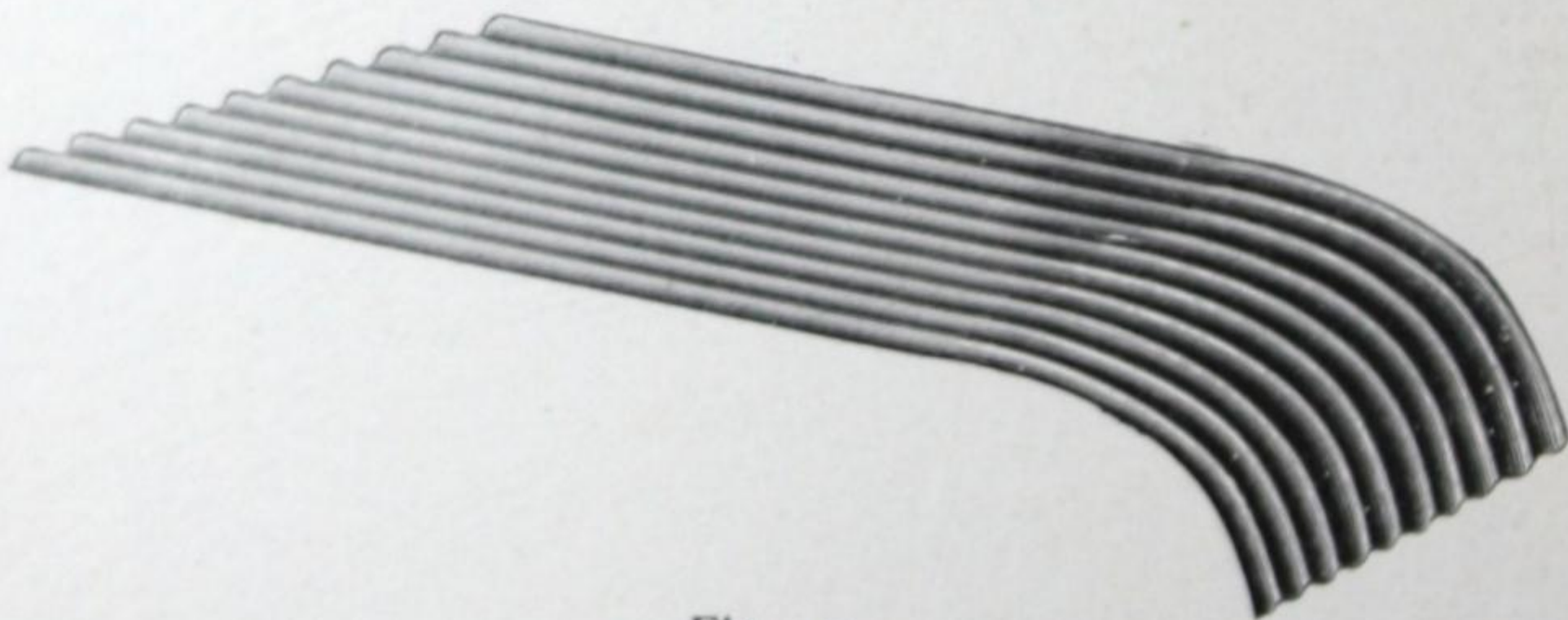


Fig. 29.

Shows corrugated sheet curved for Awnings; neat, cheap, and durable. Prices quoted on plans furnished.



# Corrugated Iron Awnings.

Neat. Effective.

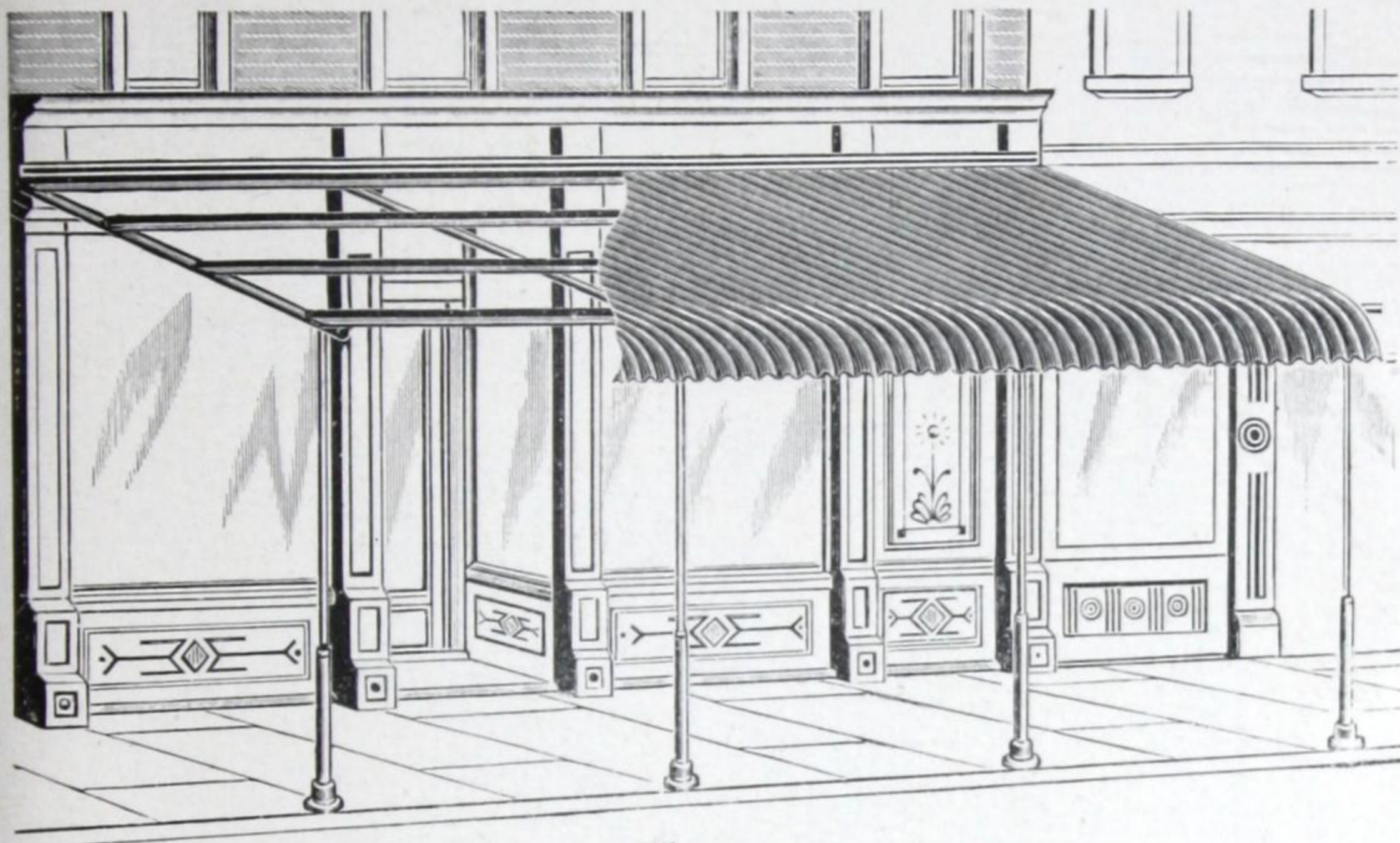


Fig. 30.

Represents our Single Curved Awning, with Iron Frame supported by Iron Posts.

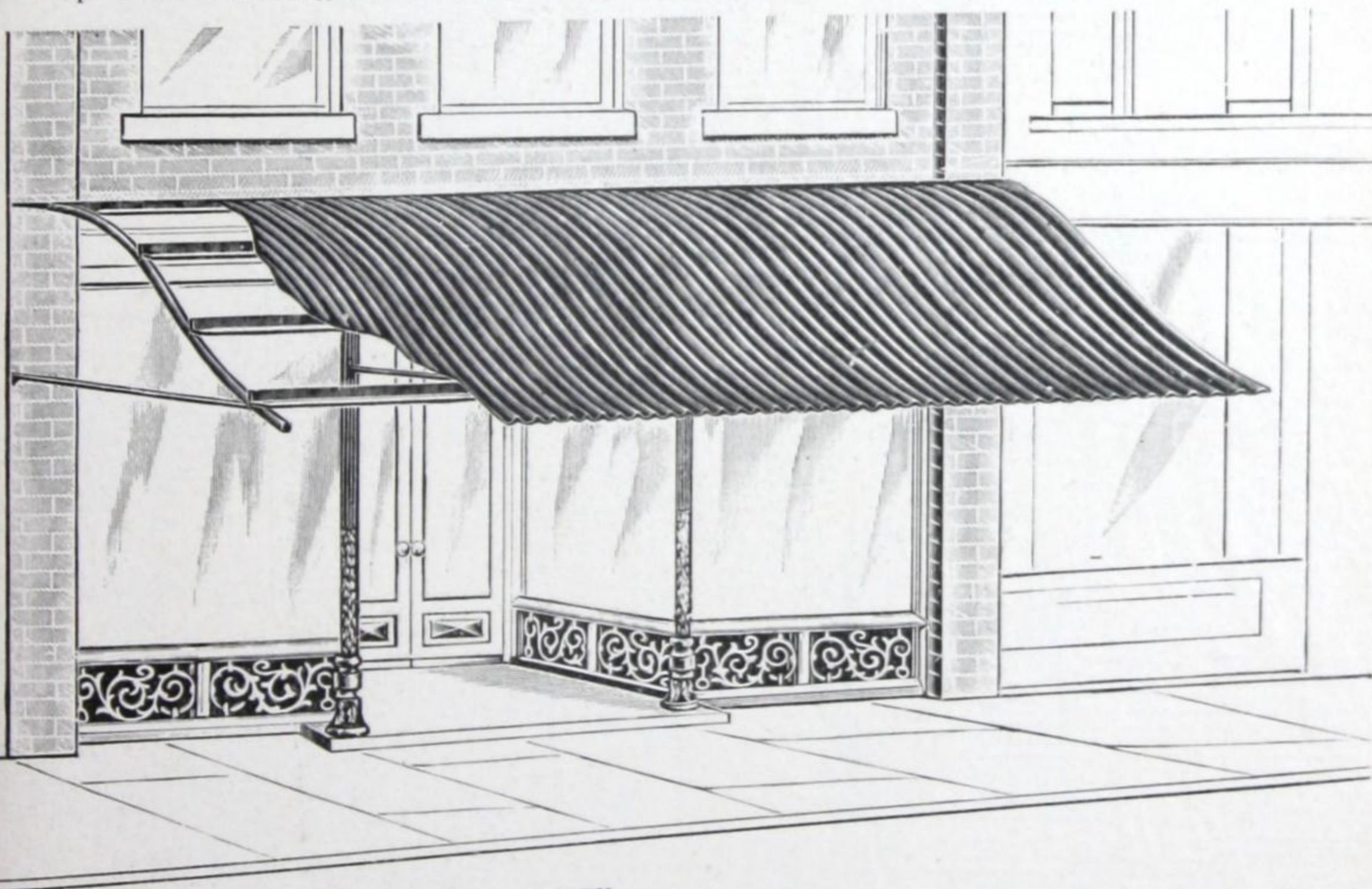
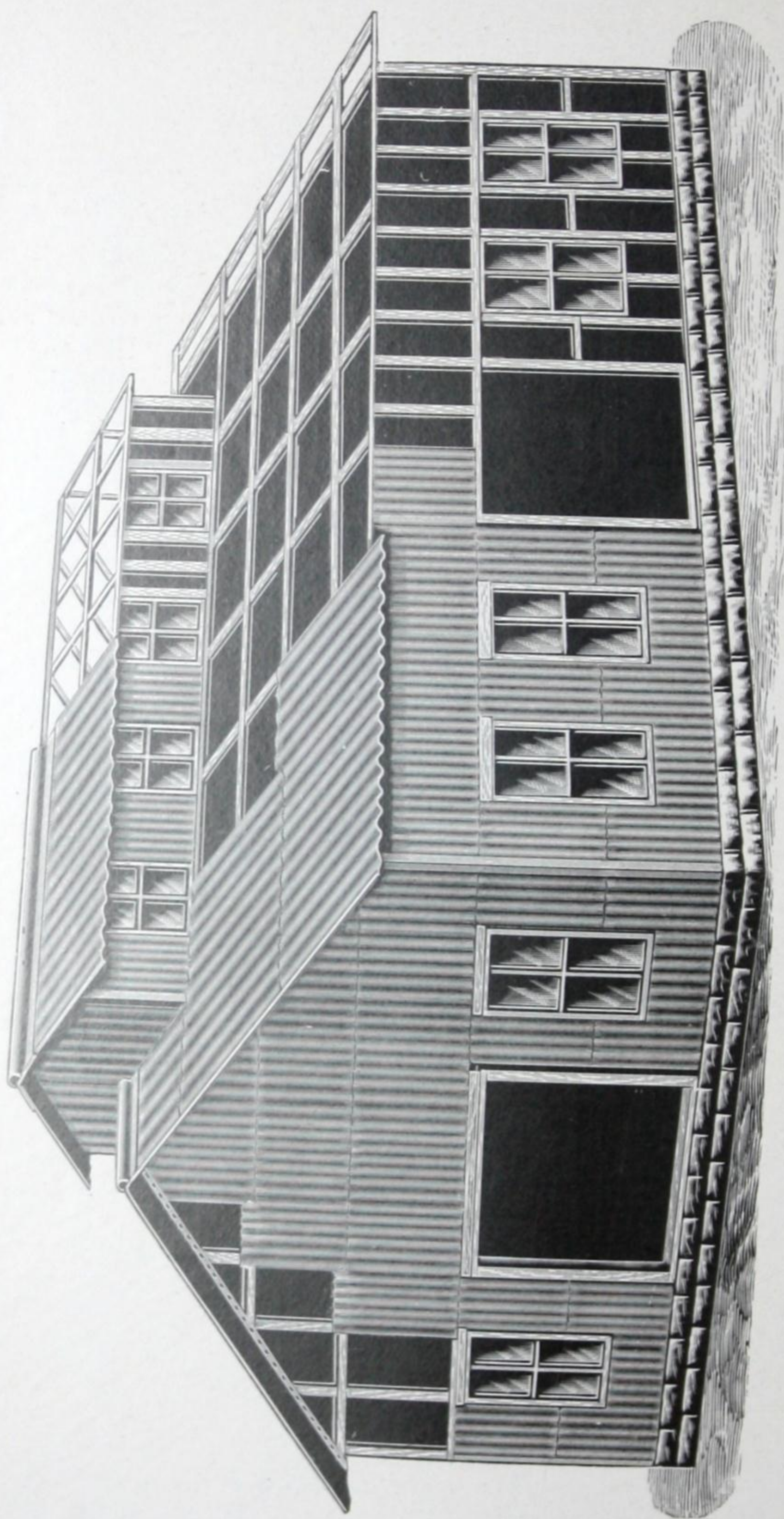


Fig. 31.

Represents our Double Curved Awning, with Iron Frame supported by Iron Brackets fastened to the wall of building.

We quote prices only upon being furnished with dimensions in detail.





Shows application of Corrugated Iron on roof and sides of skeleton frame building.  
For a cheap, durable, fire-proof covering, Corrugated Iron is unequaled, and is extensively used all over the country for all kinds

of buildings, porticos, awnings, etc.

If parties ordering Corrugated Iron will give exact length of rafter and width of roof, as per our diagram sheet, we can often send sheets of right length to fit roof, and thus save labor, cutting and waste of iron.



## Corrugated Side Wall Flashing.

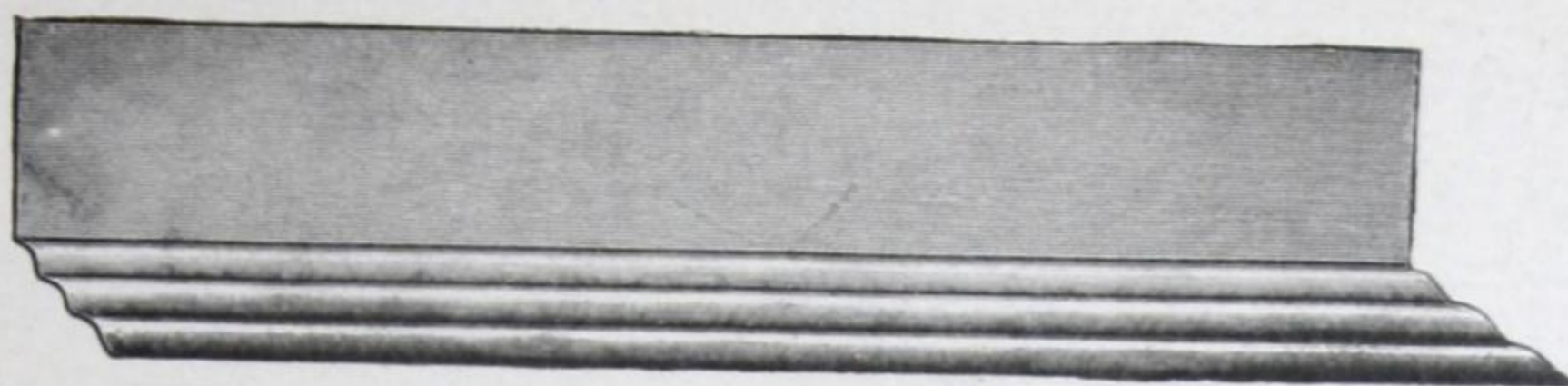


Fig. 32.

## Corrugated End Wall Flashing.

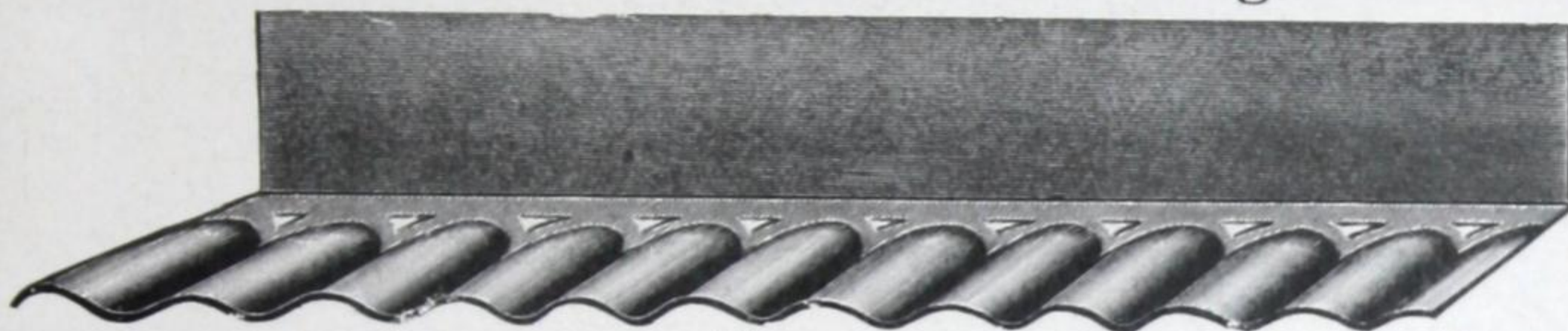


Fig. 33.

## 2 Inch Corrugated Ridge Roll.

## Corrugated V Capping.

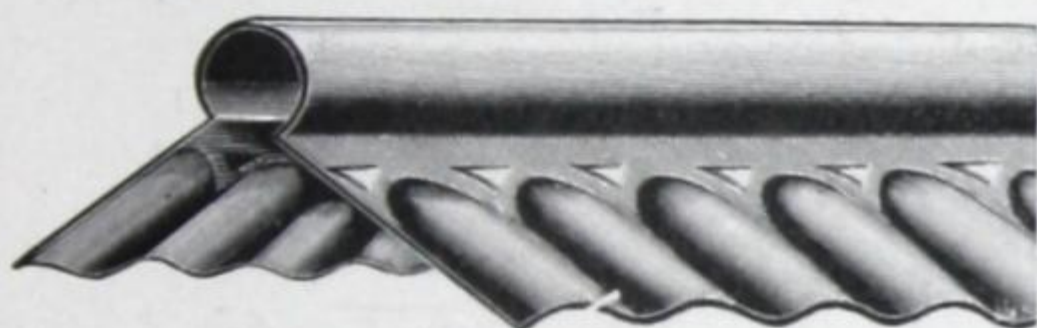


Fig. 34.

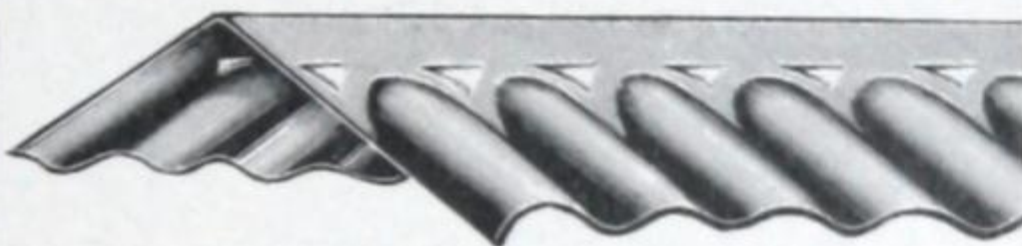


Fig. 35.

## Corrugated Wood Ridge Joints.



Fig. 36.



Fig. 37.

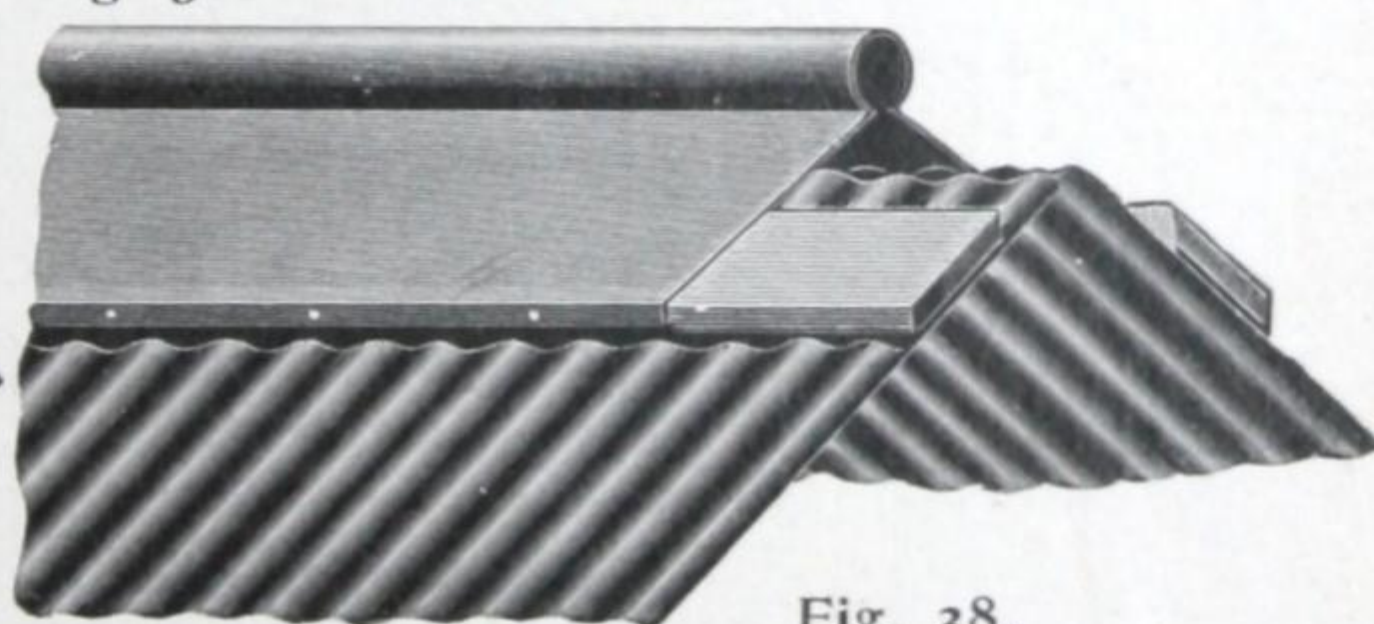


Fig. 38.

Fig. 37 shows application of our 2 inch Corrugated Capping, Fig. 34.  
Fig. 38 shows application of our Corrugated Wood and Plain Capping.

## LIST PRICES.

### Corrugated Flashing.

	Painted.	Galvanized.
Fig. 32, No. 28 Gauge Steel, per lineal foot-----	\$ .14	\$ .17½
Fig. 33, No. 28 Gauge Steel, per lineal foot-----	.14	.17½

### Corrugated Ridge Capping.

	Painted.	Galvanized.
Fig. 34, No. 28 Gauge Steel, per lineal foot-----	\$ .12	\$ .15
Fig. 35, No. 28 Gauge Steel, per lineal foot-----	.10	.12½

DISCOUNT-----Per Cent.



## Plain Cornice, Window and Door Casings.

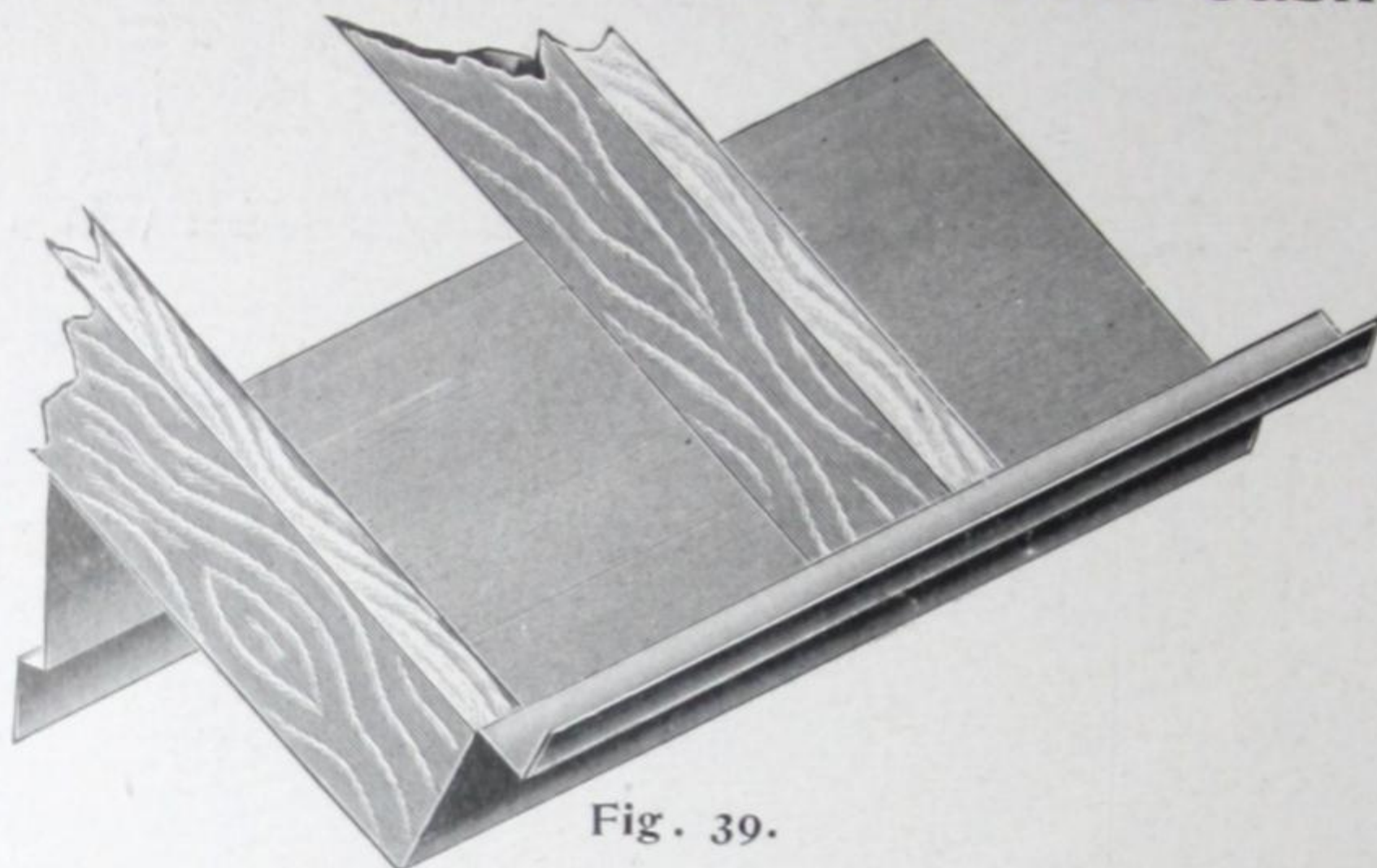


Fig. 39.

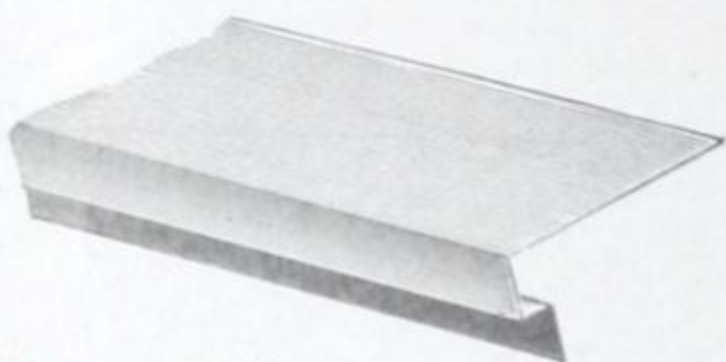


Fig. 40.



Fig. 41.

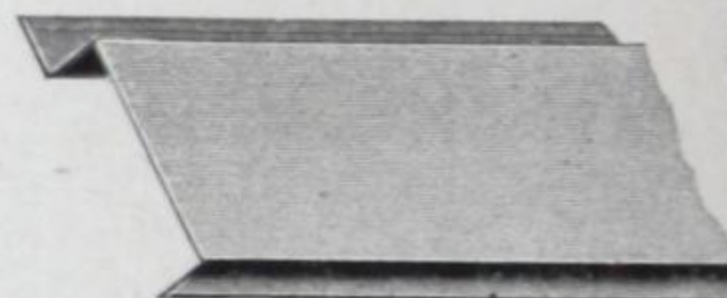


Fig. 42.

### Plain Cornice.

FIG. 39.

	Painted.	Galvanized.
24 inch Girt, per lineal foot-----	\$ .18	\$ .24
26 inch Girt, per lineal foot-----	.19½	.26
28 inch Girt, per lineal foot-----	.21	.28
30 inch Girt, per lineal foot-----	.23	.30

### Sills for Windows and Doors.

FIG. 40.

	Painted.	Galvanized.
9 inch Girt, per lineal foot-----	\$ .07	\$ .09
10 inch Girt, per lineal foot-----	.07½	.10
12 inch Girt, per lineal foot-----	.09	.12

### Jambs and Caps for Windows.

FIGS. 41 AND 42.

	Painted.	Galvanized.
3 inch Face, 10 inch Girt, per lineal foot-----	\$ .07½	\$ .10
4 inch Face, 11 inch Girt, per lineal foot-----	.08½	.11
5 inch Face, 12 inch Girt, per lineal foot-----	.09	.12

### Jambs and Caps for Doors.

FIGS. 41 AND 42.

	Painted.	Galvanized.
3 inch Face, 12 inch Girt, per lineal foot-----	\$ .09	\$ .12
4 inch Face, 13 inch Girt, per lineal foot-----	.10	.13
5 inch Face, 14 inch Girt, per lineal foot-----	.11	.14

### LIST PRICES.

List prices based on No. 28 Gauge. Prices on heavier gauges upon application.

DISCOUNTS {	Painted Steel-----	Per Cent.
	Galvanized Steel-----	Per Cent.

Metal Casings for windows, doors, eaves and gable projections, used in connection with our different styles of Metal Siding and Roofing, make the building entirely ironclad.

Plans and measurements must be furnished, and we will form to fit the same.



# Cluster Tiling or Shingles,

—FOR—

ROOFING, MANSARDS, GABLES AND SIDING.

Attractive in Appearance. Cheap. Durable.

MADE OF SHEET STEEL PAINTED OR GALVANIZED.

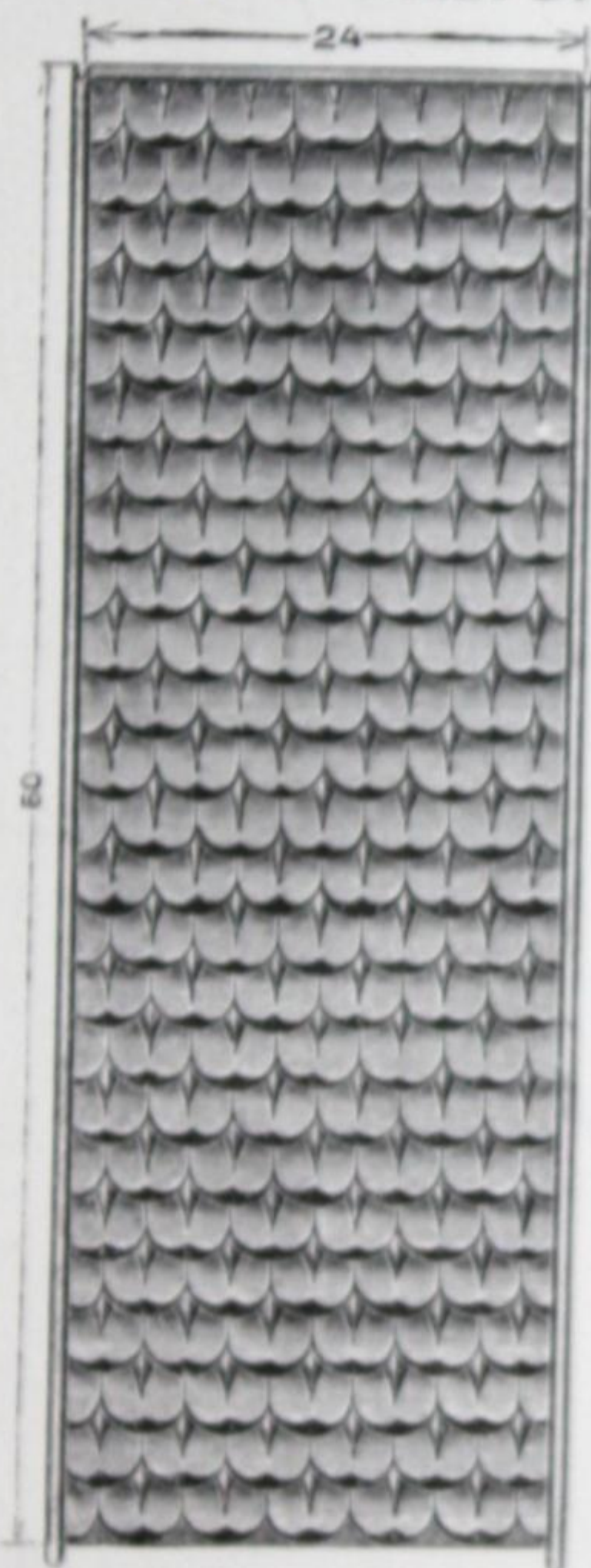


Fig. 43.



Fig. 44.

Fig. 43 shows Cluster Shingle, with pressed standing seam edges, applied with cleats.

Fig. 44 shows Cluster Shingle in sheets, with one inch flat margin on one side, and sheared even with tile on opposite side. This permits of lapping the sheared side on the flat margin of next sheet, and is especially adapted for gables and siding.

A SQUARE. Figs. 43 and 44 consist of ten (10) sheets 60 inches long each, by the respective widths, 24 and 25 inches.



# THE CUSHMAN Metallic Shingle,

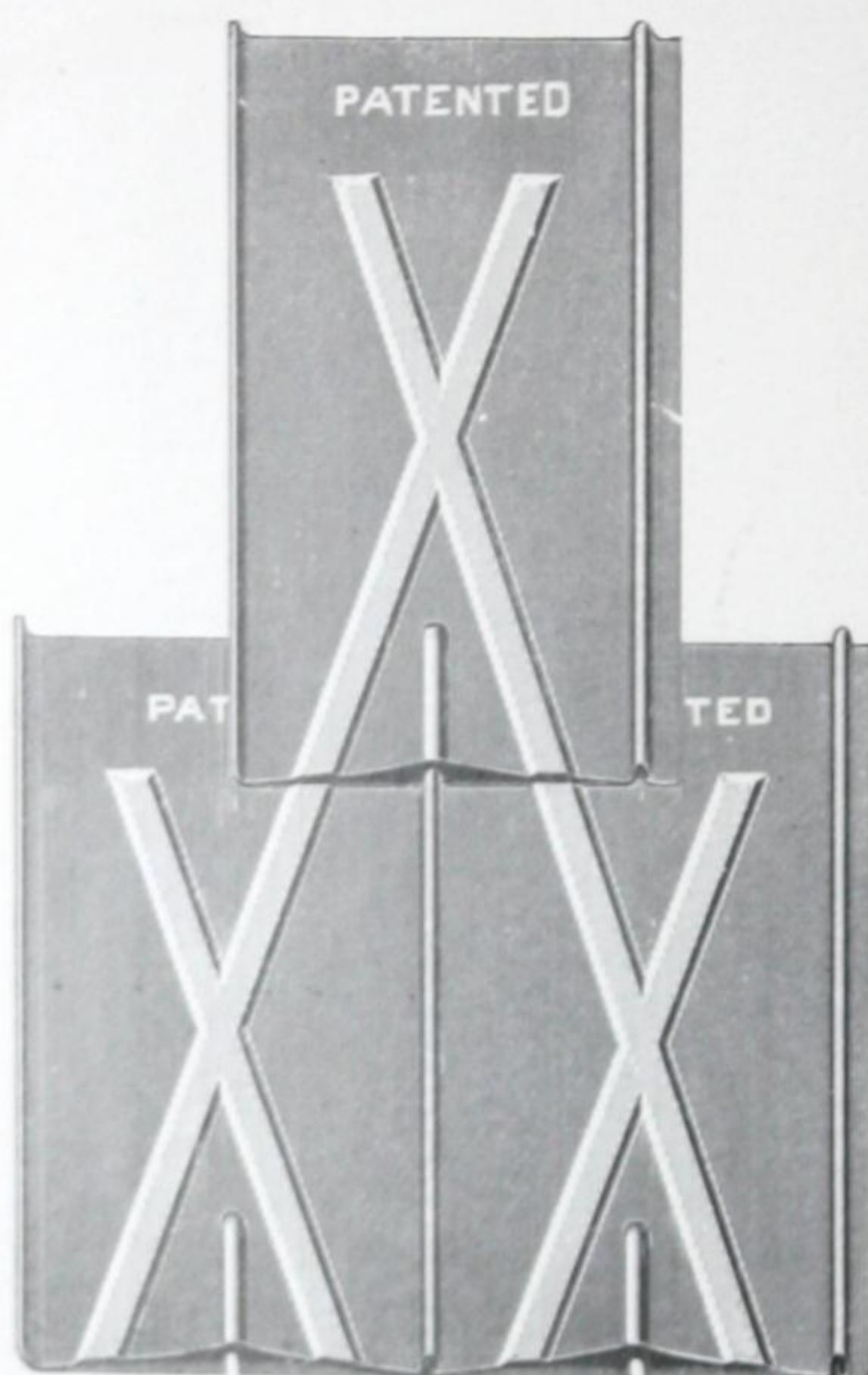
— FOR —

## Roofing and Siding

DURABLE AND ORNAMENTAL.

USED MOSTLY FOR MANSARD,  
GOTHIC, QUEEN ANNE, AND  
BUILDINGS HAVING A  
 $\frac{1}{4}$  PITCH.

Easily Applied and Inexpensive.



the Cushman Patent Metallic Tile or Plate, which we consider the best constructed shingle on the market.

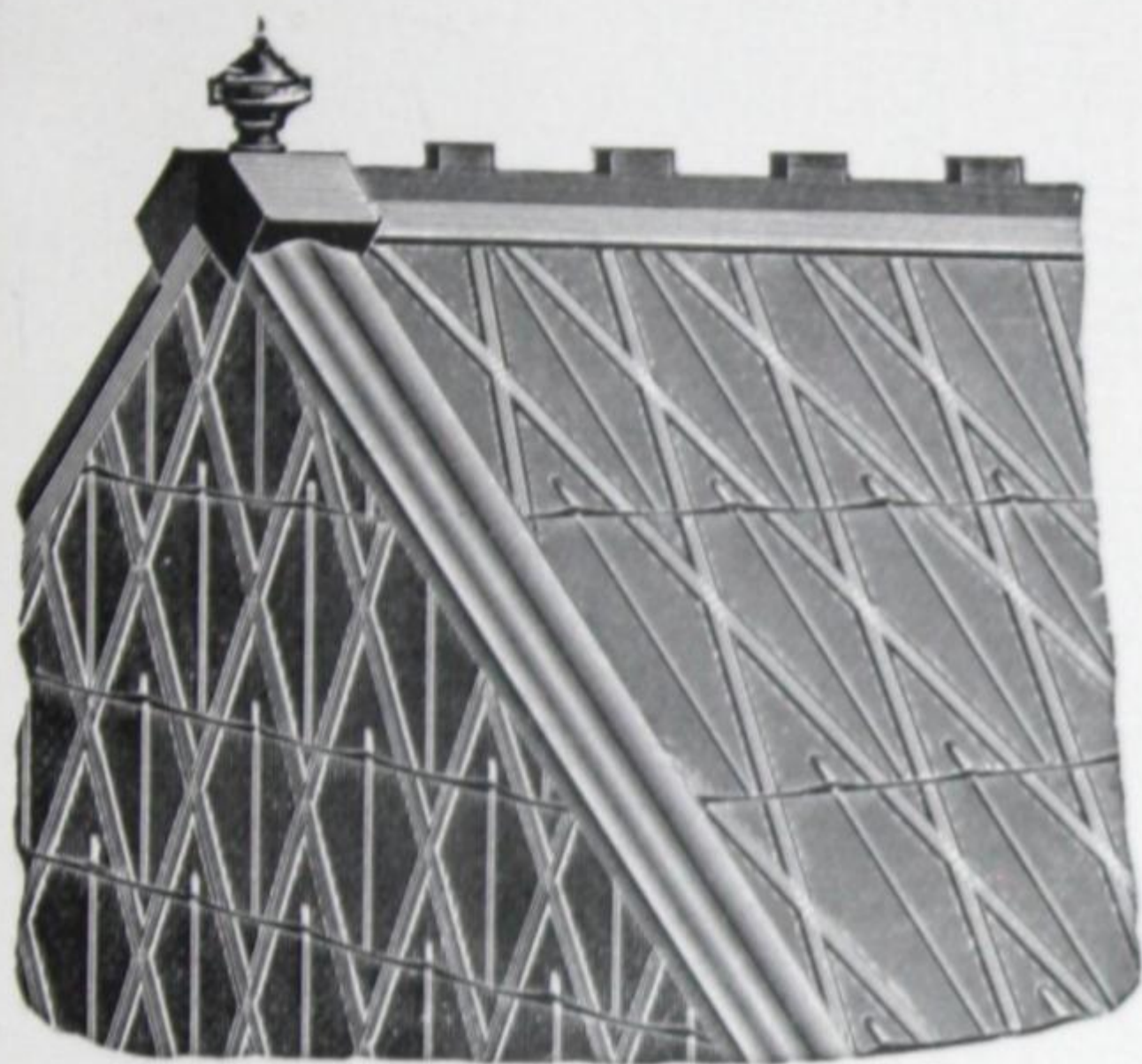
### The Important Features of the Cushman Shingle are as Follows:

- Simplicity of Construction.
- Ease and Rapidity of Applying.
- Fastening to Sheathing Boards without Cleats.
- Only Perfect and Storm-Proof Side Lock.
- Impossibility of Joints or Laps coming Open.
- Ample provision for Contraction or Expansion.
- Does not require an expert roofer to put it on.



# Metallic Shingles

Are stamped from sheets 7 x 10, 10 x 14 and 14 x 20, and lay respectively  $5\frac{1}{2} \times 8\frac{1}{4}$ ,  $8\frac{1}{2} \times 12$  and  $12\frac{1}{2} \times 18$  inches to the weather.



## PAINTING.

All our Shingles are painted both sides with the best Mineral Brown Paint.

## A Square as Sold

Consists of three hundred and twenty (320) shingles, 7 x 10, one hundred and forty (140) shingles, 10 x 14, and sixty-four (64) shingles, 14 x 20 size.

These Shingles will cover one hundred (100) square feet on the building. Are packed in secure boxes containing one square each. No broken boxes are sold.

PRINTED DIRECTIONS FOR LAYING ACCOMPANY EACH BOX.

## PRICE LIST.

### No. 1, Standard Steel Plates.

Painted both sides, 14 x 20, per square	\$5.75
Painted both sides, 10 x 14, per square	6.00
Painted both sides, 7 x 10, per square	7.00

### No. 2, Standard Charcoal Roofing Tin.

Painted both sides, 14 x 20, per square	\$6.50
Painted both sides, 10 x 14, per square	6.75
Painted both sides, 7 x 10, per square	8.00

### No. 3, Standard Galvanized Plates.

Unpainted both sides, 14 x 20, per square	\$7.50
Unpainted both sides, 10 x 14, per square	8.00
Unpainted both sides, 7 x 10, per square	9.00

DISCOUNT-----Per Square.

NOTE.—If Galvanized Shingles are desired painted, price will be 25 cents per square extra.



# Steel Clapboards.

USED EXTENSIVELY AS SIDING ON FRAME BUILDINGS. CHEAP, DURABLE AND FIRE-PROOF, AND A DESIRABLE SUBSTITUTE FOR WOODEN WEATHER-BOARDING.

ITS LASTING QUALITIES COMPARE WITH BRICK OR STONE.

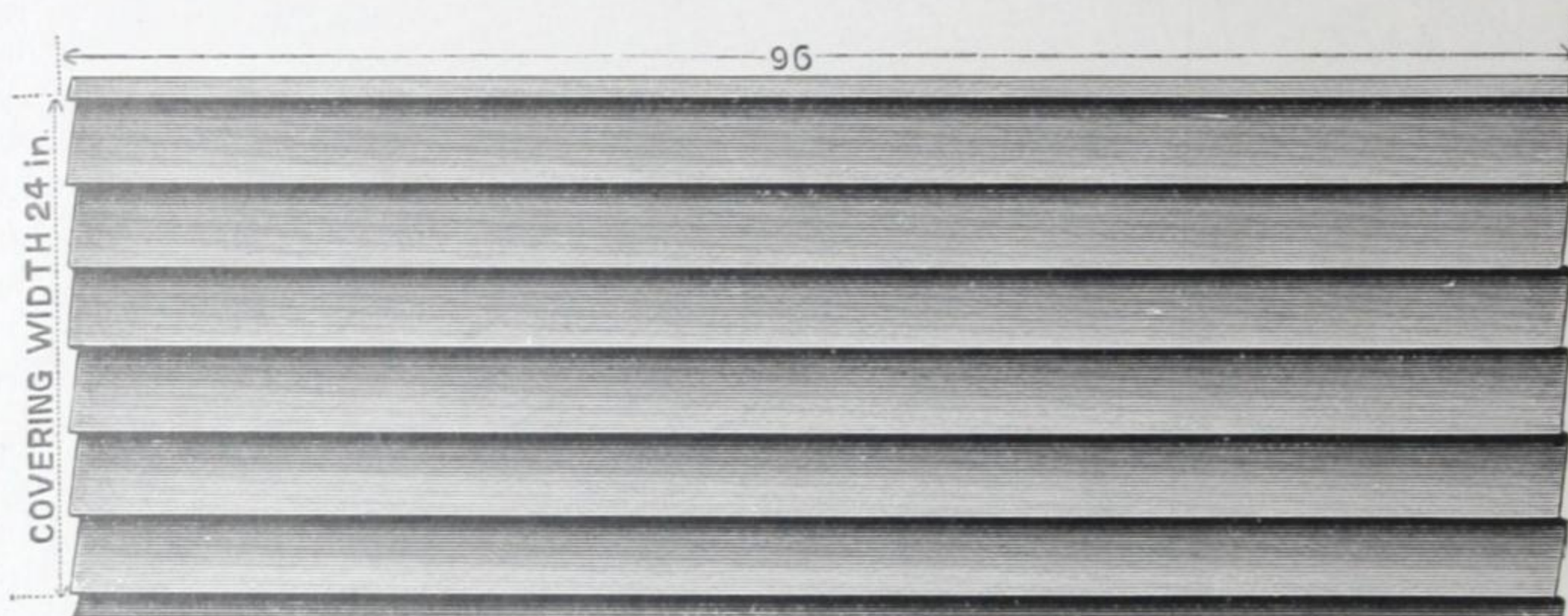


Fig. 45.

We furnish  $6\frac{1}{4}$  sheets 24 x 96 inches for a square, which will lay 100 square feet on building, less the laps at end of sheets.

Each sheet shows 6 boards 4 inches wide. Can be applied directly to studding 16 inches from centers or on rough sheathing. In order to provide for one inch end laps, place every sixth stud 15 inches from centers. When applying to sheathing, place nails 4 to 6 inches apart, along the horizontal laps and immediately under the projecting crimp. When applying to studding nail to each stud. Nail end laps at the upper edge of each face or "board."

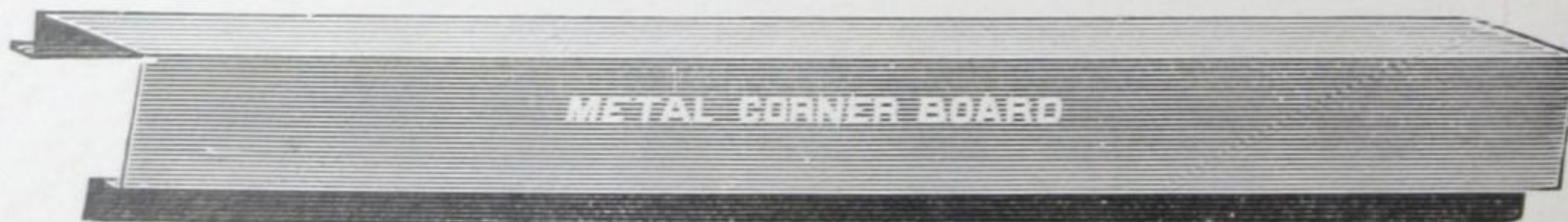


Fig. 46.

Shows Metal Corner Boards used in finishing corners and angles of buildings when using Metal Clapboards.

Iron Corner Boards we sell by the lineal foot, made in lengths from 2 to 8 feet.



# Beaded Siding and Ceiling.

## MADE FROM THE BEST QUALITY

Box annealed Semi-Steel, painted on both sides with the best Iron Oxide Paint, ground in pure Linseed Oil.



Fig. 47.

## Covering Width Two Feet.

Shows sheet of Beaded **Siding and Ceiling**. Sheets, when beaded, cover 24 inches from center to center of outside beads, and can be furnished any length up to 8 feet. The beads are small corrugations,  $\frac{3}{8}$  inch wide and  $\frac{1}{8}$  inch deep, and 3 inches from center to center.

This style of Ceiling is very desirable in stores, churches, warehouses, factories, engine rooms, boiler rooms, public halls, paper mills, glass factories, etc.

No special tools required. The sheets should be lapped one or two inches at ends, and over one crimp at side. Can be applied perpendicularly or horizontally (as preferred) to boards, studding or joists placed the proper distance apart, or put on over old plaster. Purchasers can paint it any desired color. Regular length sheets, 4, 5, 6, 7 and 8 feet. We always ship sheets 8 feet long, unless otherwise ordered. One square consists of  $6\frac{1}{4}$  sheets, 24 x 96, or its equivalent, and will lay one square less the lap at end of sheets.



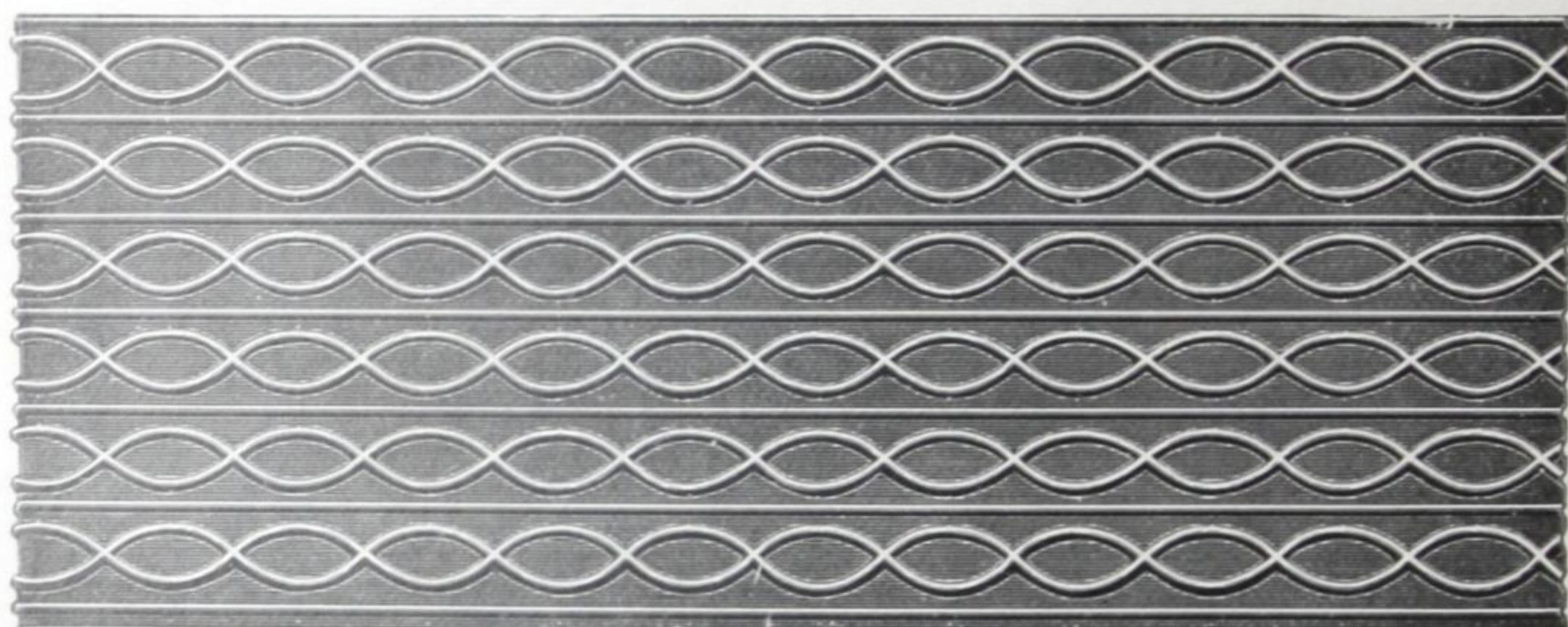
NEW STYLE

# Ceiling and Siding Sheets.

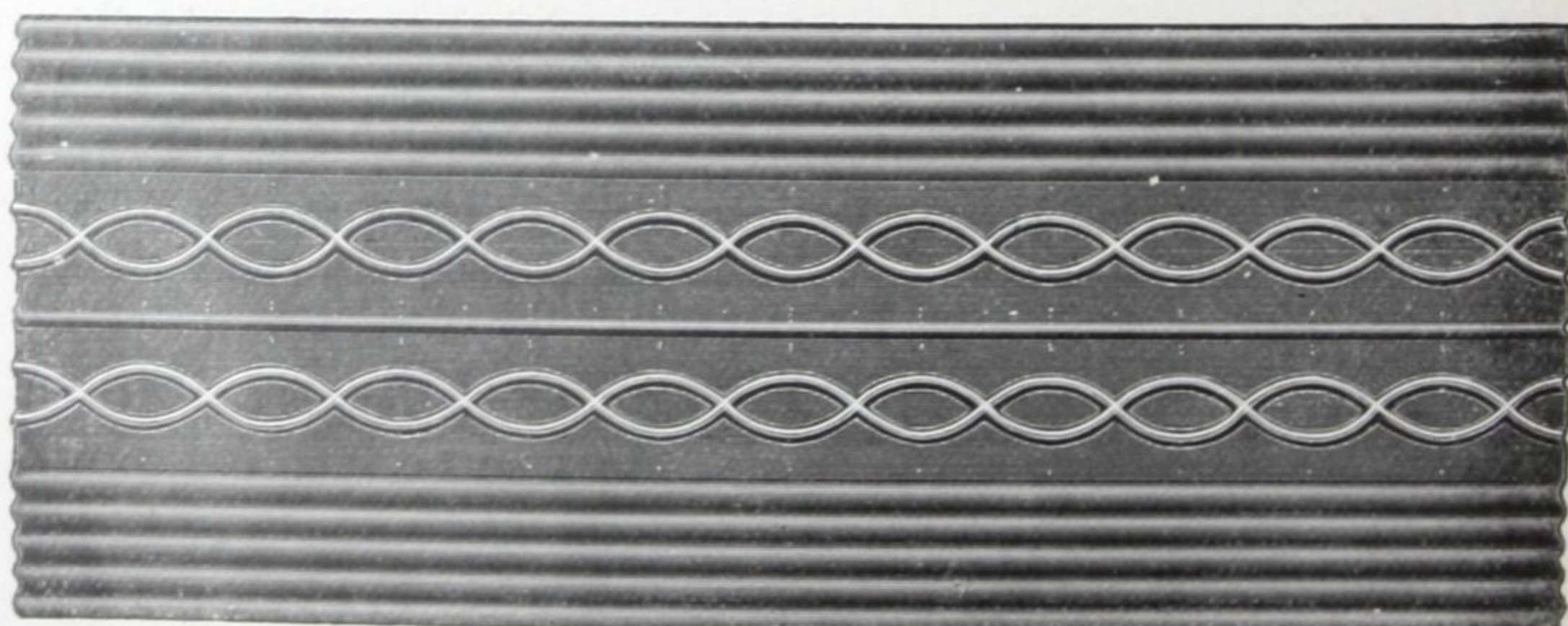
ORNAMENTAL! HANDSOME! CHEAP!

USED LARGELY FOR CEILING, SIDING AND WAINSCOTING. MADE FROM BEST QUALITY STEEL SHEETS, PAINTED ON BOTH SIDES.

Copyrighted.



Style A.



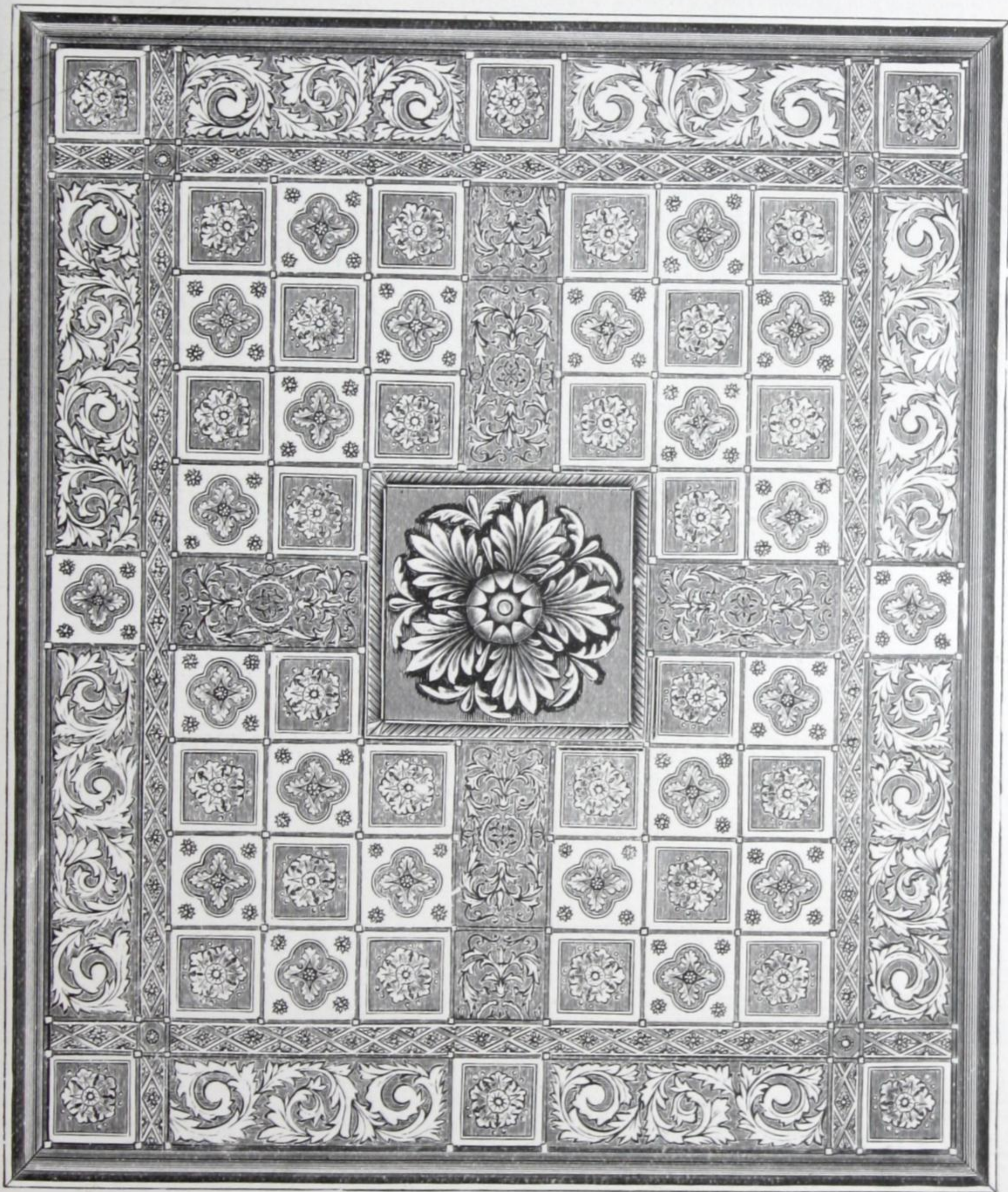
Style B.

Sheets will cover 24 inches wide. Regular length sheets, 4, 5, 6, 7 and 8 feet. We always ship sheets 8 feet long unless otherwise ordered. One square consists of 6½ sheets, 24 x 96, or its equivalent, and will lay one square less the lap at end of sheets.



PANELED AND EMBOSSED  
**Sheet Metal Ceilings.**

MOST EXTENSIVE AND ATTRACTIVE LINE IN THE MARKET.



EXCLUSIVE CEILING CATALOGUE UPON APPLICATION.



# BERGER'S Imperial Pressed Steel Brick.

MADE OF SHEET STEEL, PAINTED OR GALVANIZED.

Patent Pending.

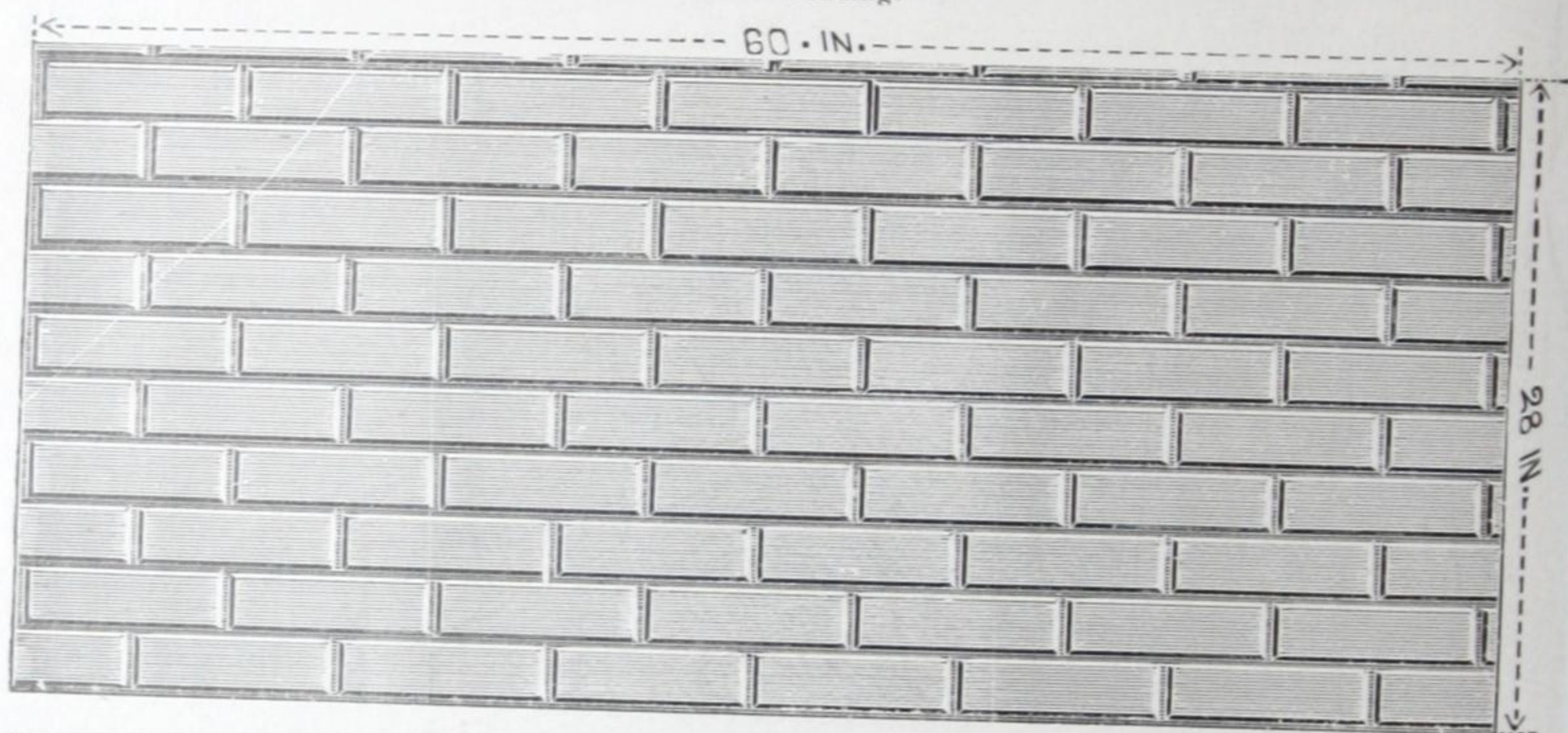


Fig. 48.

Size of Single Brick,  $2\frac{1}{2} \times 8\frac{1}{2}$  inches. Sheets, 60 x 28 inches.

Shows Pressed Steel Brick Siding ready for application. Can be applied by any mechanic. Lays perfectly smooth, and after painting cannot be distinguished from finest Philadelphia Pressed Brick.

Costs no more than best wood siding and about one-fifth that of brick.

In beauty of appearance, durability, cheapness, and as a protection against fire, we claim this Siding has no equal. Most Insurance Underwriters give this style of covering same rating as Brick or Stone.

Manufactured of the best soft steel, and shipped in lengths of 60 x 28 inches, containing  $11\frac{2}{3}$  square feet to the sheet.

A Square of Imperial Brick Siding consists of  $8\frac{1}{3}$  sheets, 60 inches long by 28 inches wide, painted both sides.



## SHOWS BUILDING SIDED

—WITH—

BERGER'S

# Imperial Pressed Steel Brick.



Always Lay with the Concave or Hollowed Part of Mortar Line  
on the Outside.



**BERGER'S PATENT****Rock-Face Brick and Stone Siding.**

---

Made of Sheet Steel, Painted or Galvanized, and Copper.

---

**ARTISTIC! DURABLE! CHEAP!**

---

Entirely new in Sheet Metal Siding, lately placed on the market by our company. Imitates Rock-Face Stone and Brick to perfection. On a building the counterpart of a finely finished Rock-Face Stone or Brick, making the most attractive and handsomest sheet metal covering yet produced, or offered the building trade.

It makes an elegant facing for store fronts and will certainly take the place of the old galvanized iron fronts, because it is cheaper, makes a handsomer front and is more easily applied.

**Architects, Builders and Contractors**

will readily see the advantage of using these patterns for side coverings on all buildings in preference to the old style Corrugated, Beaded and other metal Sidings. Used extensively for side covering on Business Blocks, Dwellings, School Houses, Court Houses, Auditoriums, Opera Houses, Factories, etc.

**ITS CHEAPNESS COMMENDS IT TO ALL.**



## Rock=Face Brick.

Patented.

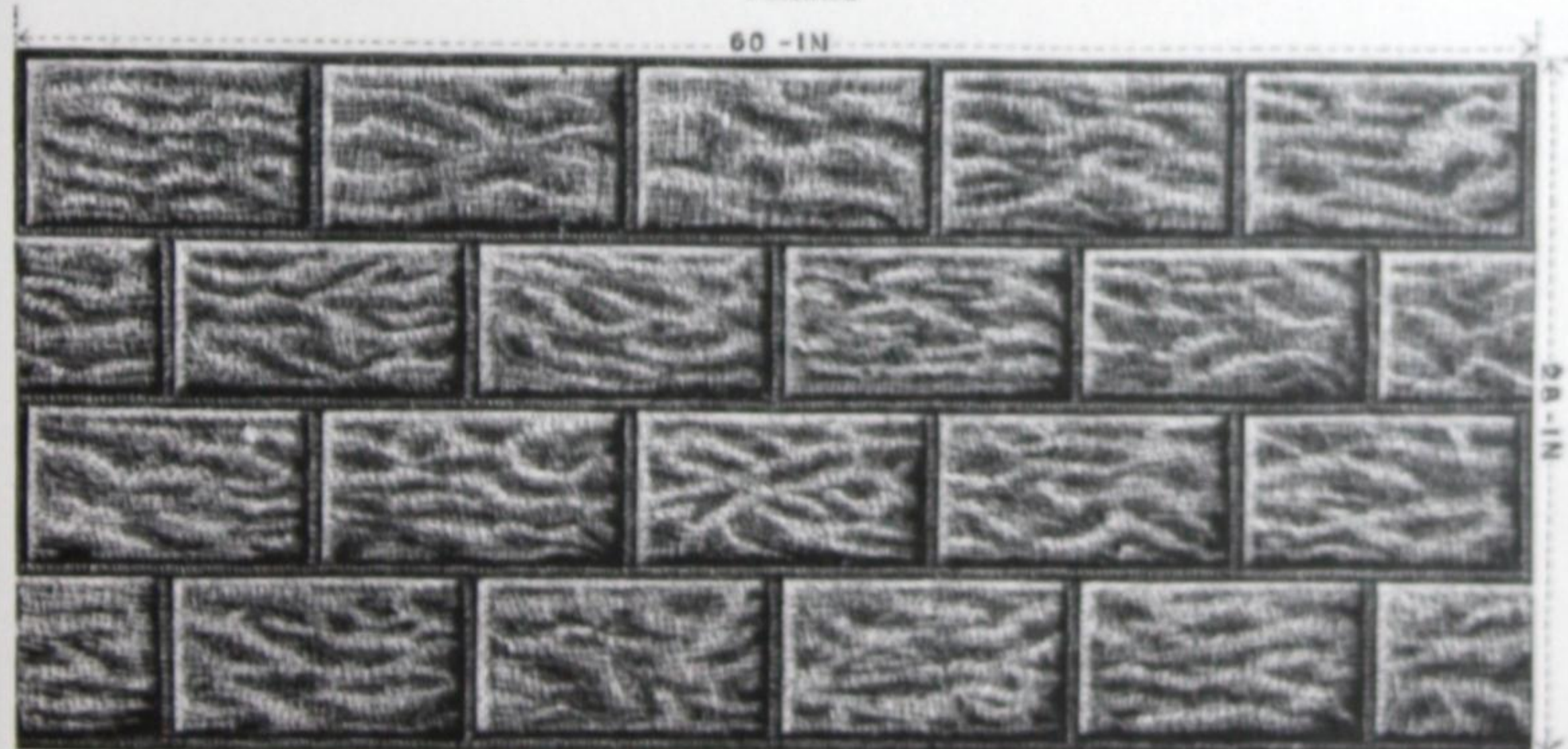


Fig. 49.

Size of single Brick,  $2\frac{1}{8} \times 8\frac{1}{4}$  inches. Sheets, 60 x 28 inches.

## Rock=Face Stone.

Patented



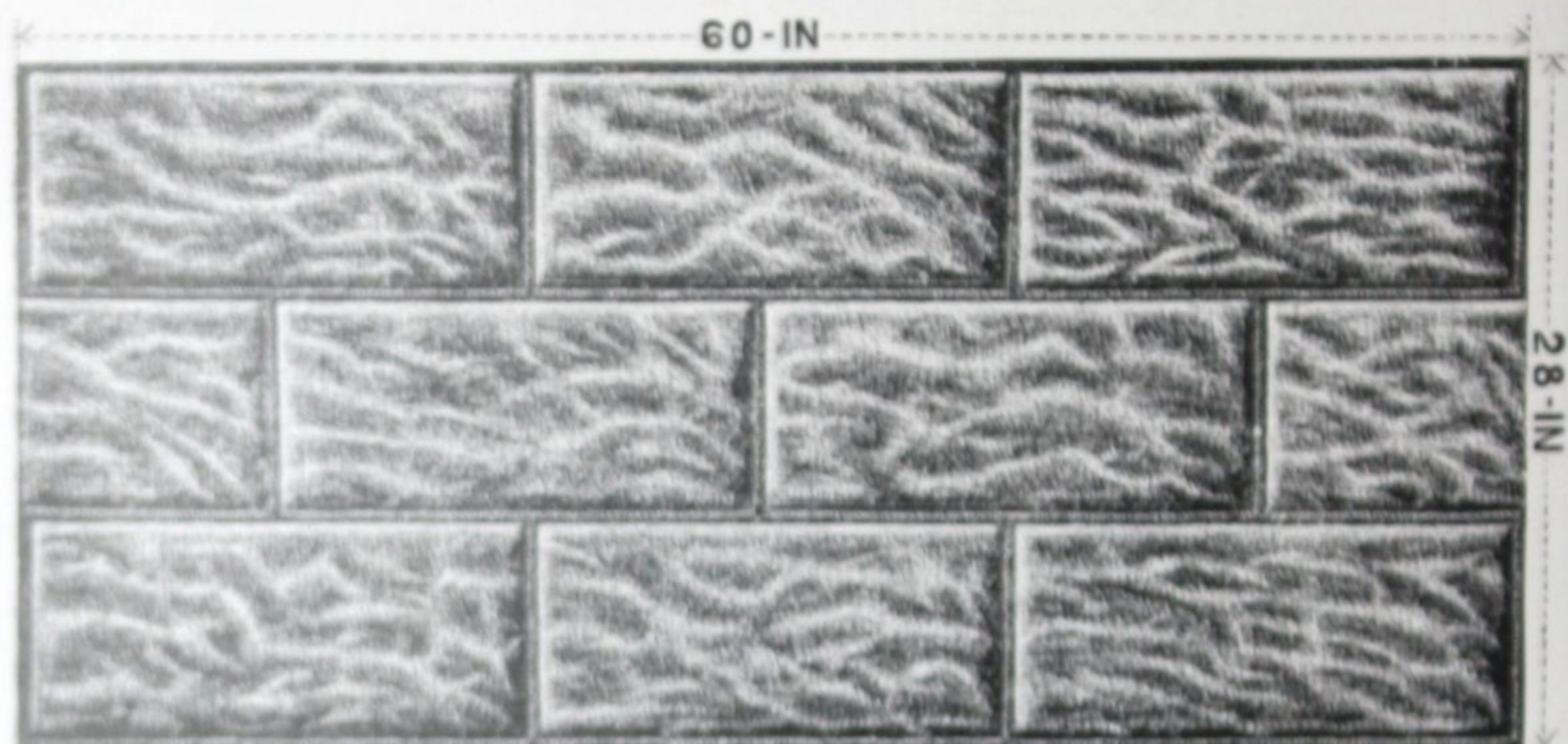
No. 1.

Size of single Stone, 7 x 12 inches. Sheets, 60 x 28 inches.



## Rock-Face Stone.

Patented.



No. 2.

Size of single Stone,  $9\frac{1}{2}$  x 20 inches. Sheets, 60 x 28 inches.

A **Square** of Rock-Face Brick or Stone consists of  $8\frac{1}{2}$  sheets 60 inches long by 28 inches wide, painted both sides.

**DEF.** In ordering Plain or Rock-Face Siding, allow 4 to 6 square feet to the 100 for laps.

## Corner Trimmings.

### PRICE LIST.

	Sheet Steel, Painted.	Galvanized.
No. 10, Rock-Face Stone Corner Panel, per lineal ft. ....	\$ .18	\$ .24
No. 11, Rock-Face Brick Corner Panel, per lineal ft. ....	.06	.08
No. 12, Plain Brick Corner Panel, per lineal ft. ....	.05	.07

DISCOUNT.....Per Cent.

NOTE.—When using Stone Panels for corners, put them on first, and back the inside of same with wood  $\frac{1}{4}$  inch thick by the width of face of corner plate.



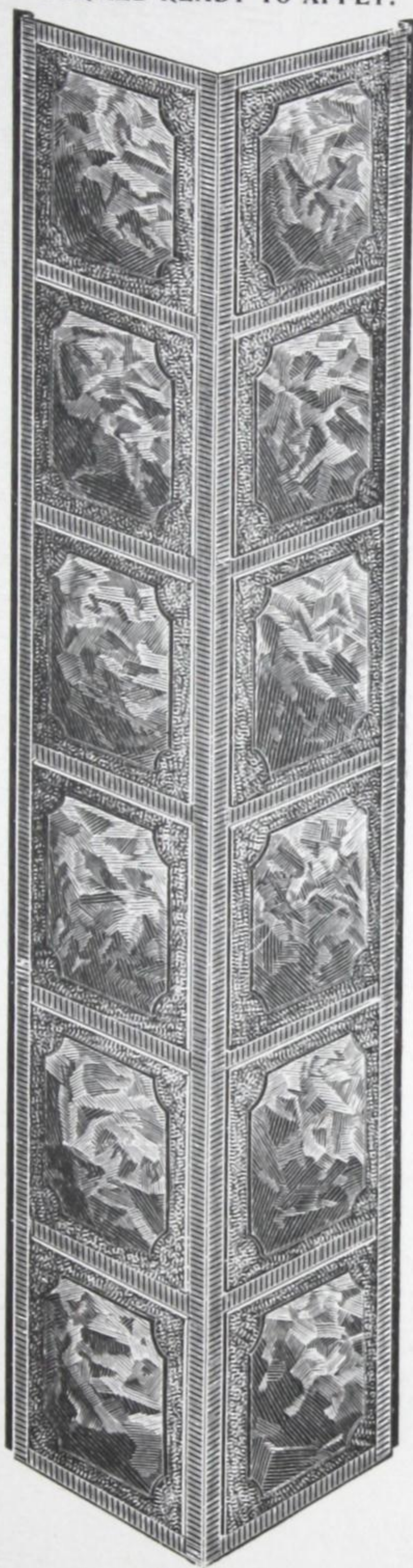
# Corner Trimmings.

FORMED READY TO APPLY.



No. 11.

Shows Rock-Face Corner Finish, 4 in. to the weather on each face.



No. 10.

Shows Rock-Face Stone Corner Panel, 12 in. to the weather on each face.

Price List on Page 108.



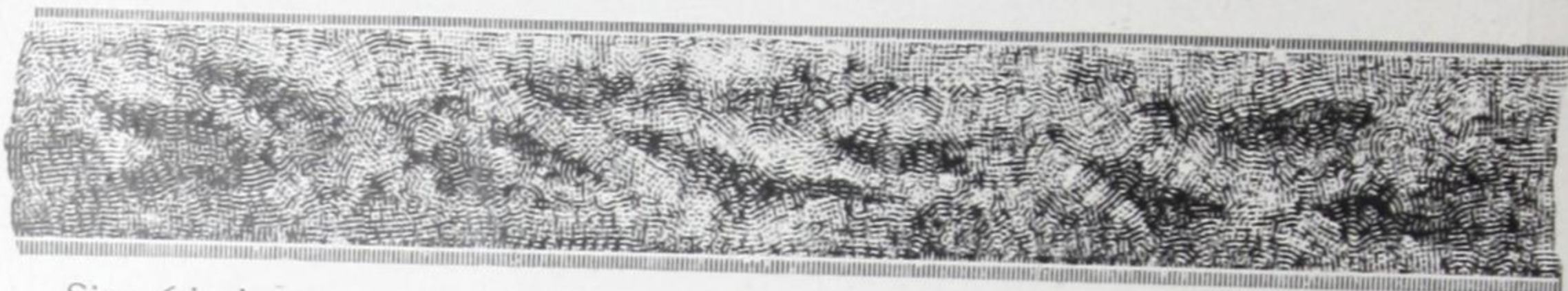
No. 12.

Shows Plain Brick Corner Finish, 4 in. to the weather on each face.



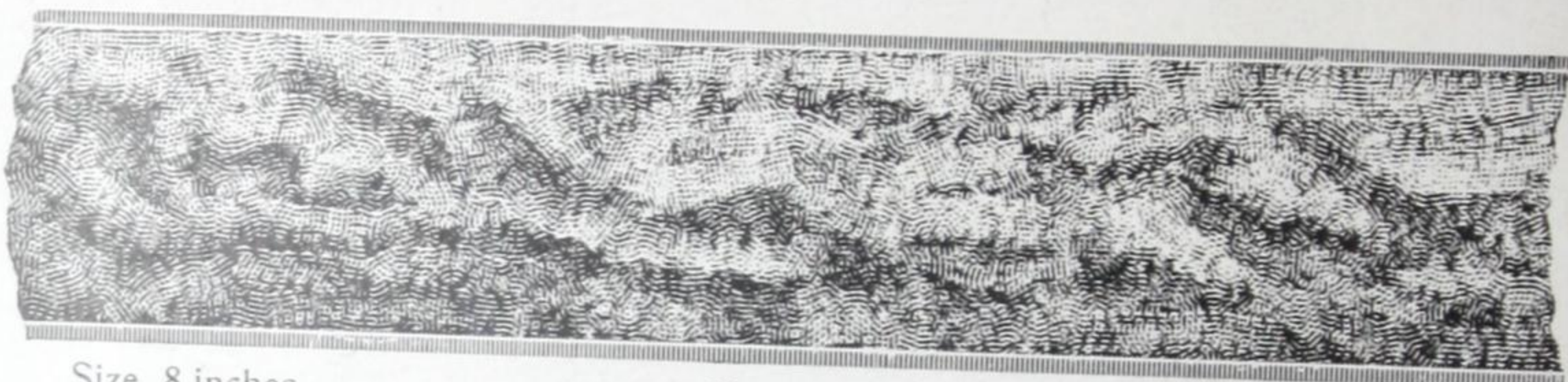
## Continuous Rock-Face Stone.

Pressed in 5 ft. lengths and used for Window Caps, Window Sills and Belt Courses.



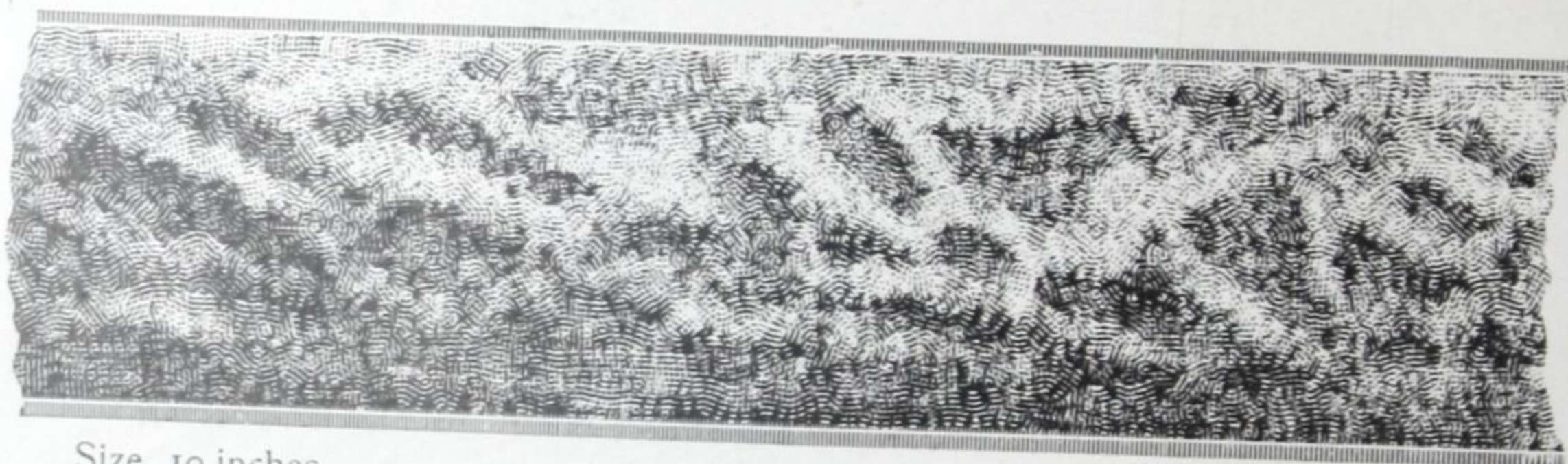
Size, 6 inches.

No. 20.



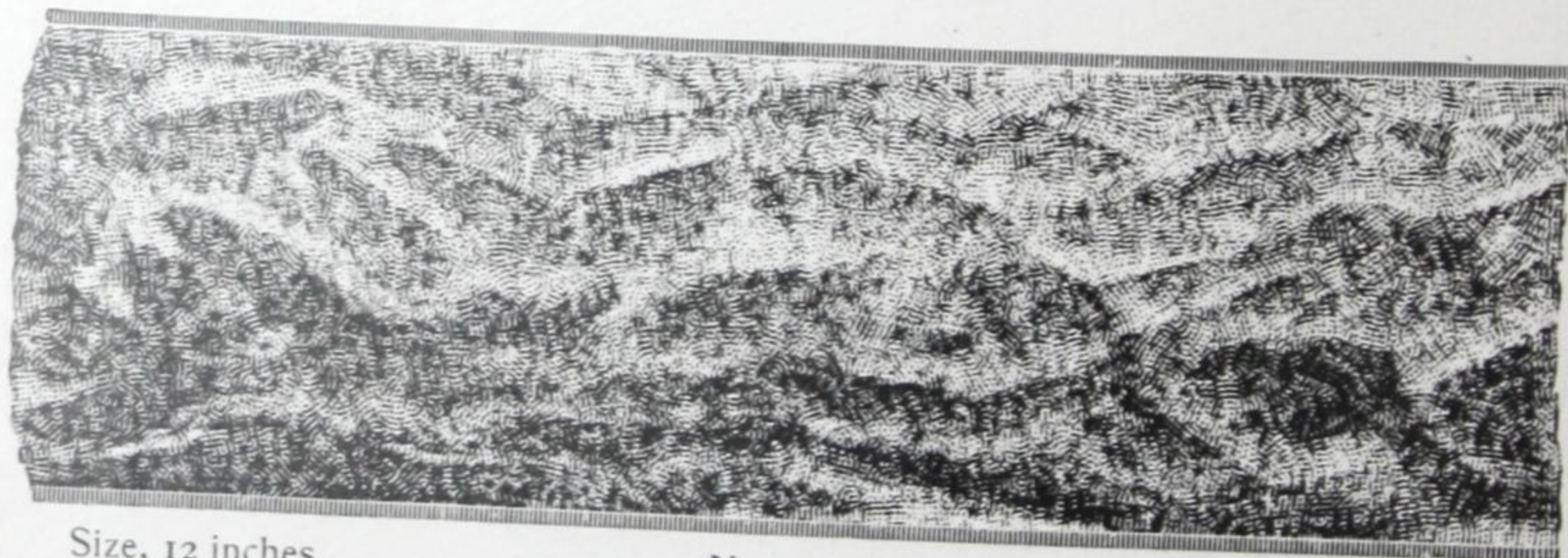
Size, 8 inches.

No. 21.



Size, 10 inches.

No. 22.



Size, 12 inches.

No. 23.

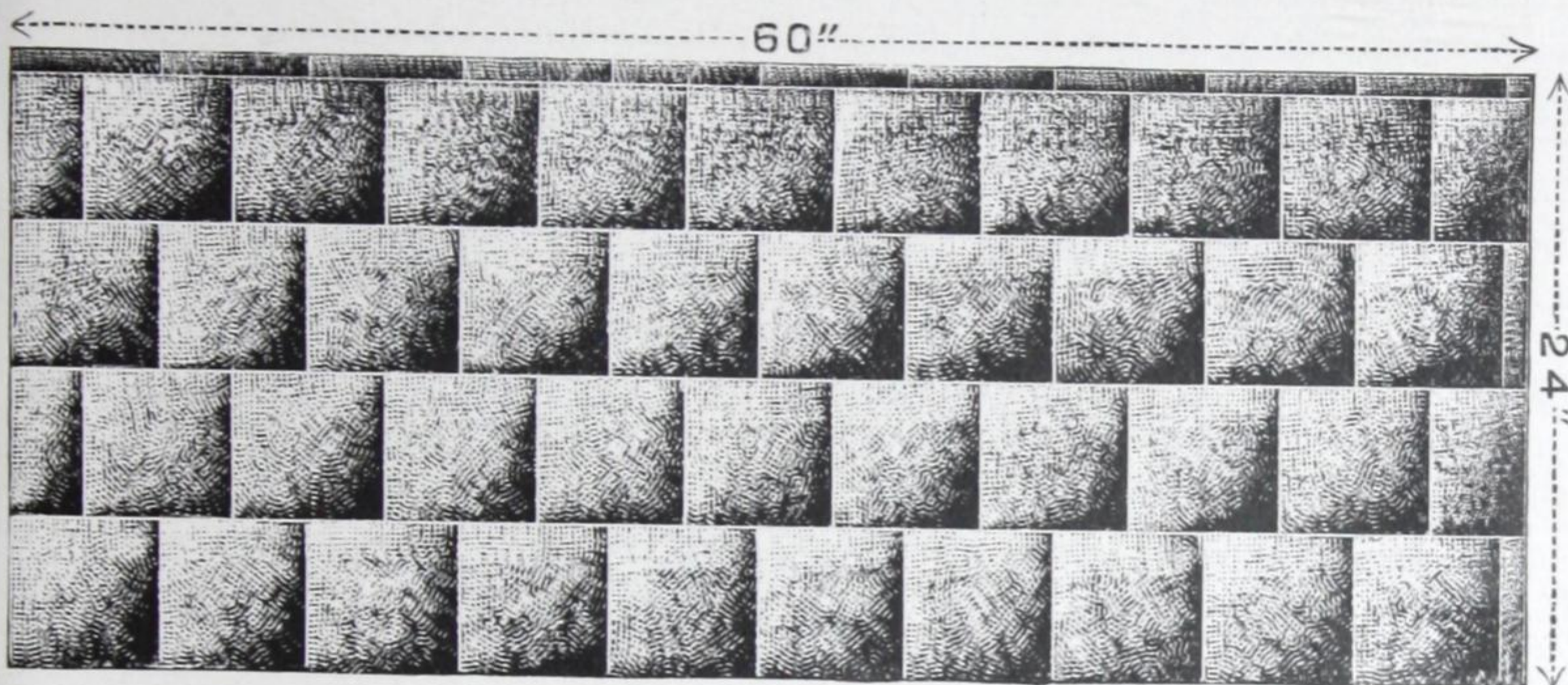
### PRICE LIST.

	Sheet Steel, Painted.	Galvanized.
No. 20, 6 inches wide, per lineal ft.-----	\$ .04½	\$ .06
No. 21, 8 inches wide, per lineal ft.-----	.06	.08
No. 22, 10 inches wide, per lineal ft.-----	.07½	.10
No. 23, 12 inches wide, per lineal ft.-----	.09	.12
DISCOUNT-----	Per Cent.	



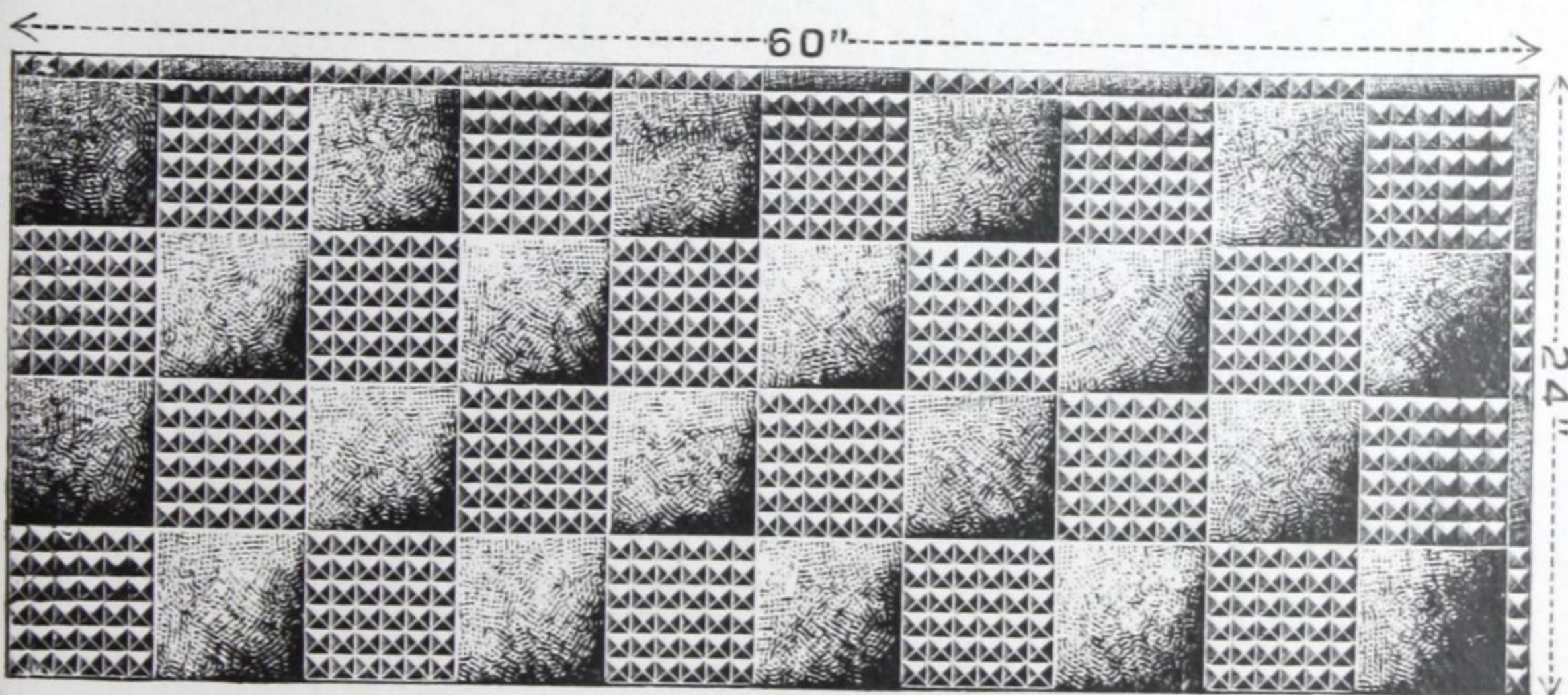
## Rock=Face Siding.

The following styles are used mainly for Trimmings. In combination with Rock-Face Stone, note designs pages 114 and 115.



No. 3.

Size of Single Stone, 6 x 6 inches. Sheets, 60 x 24 inches.



No. 4.

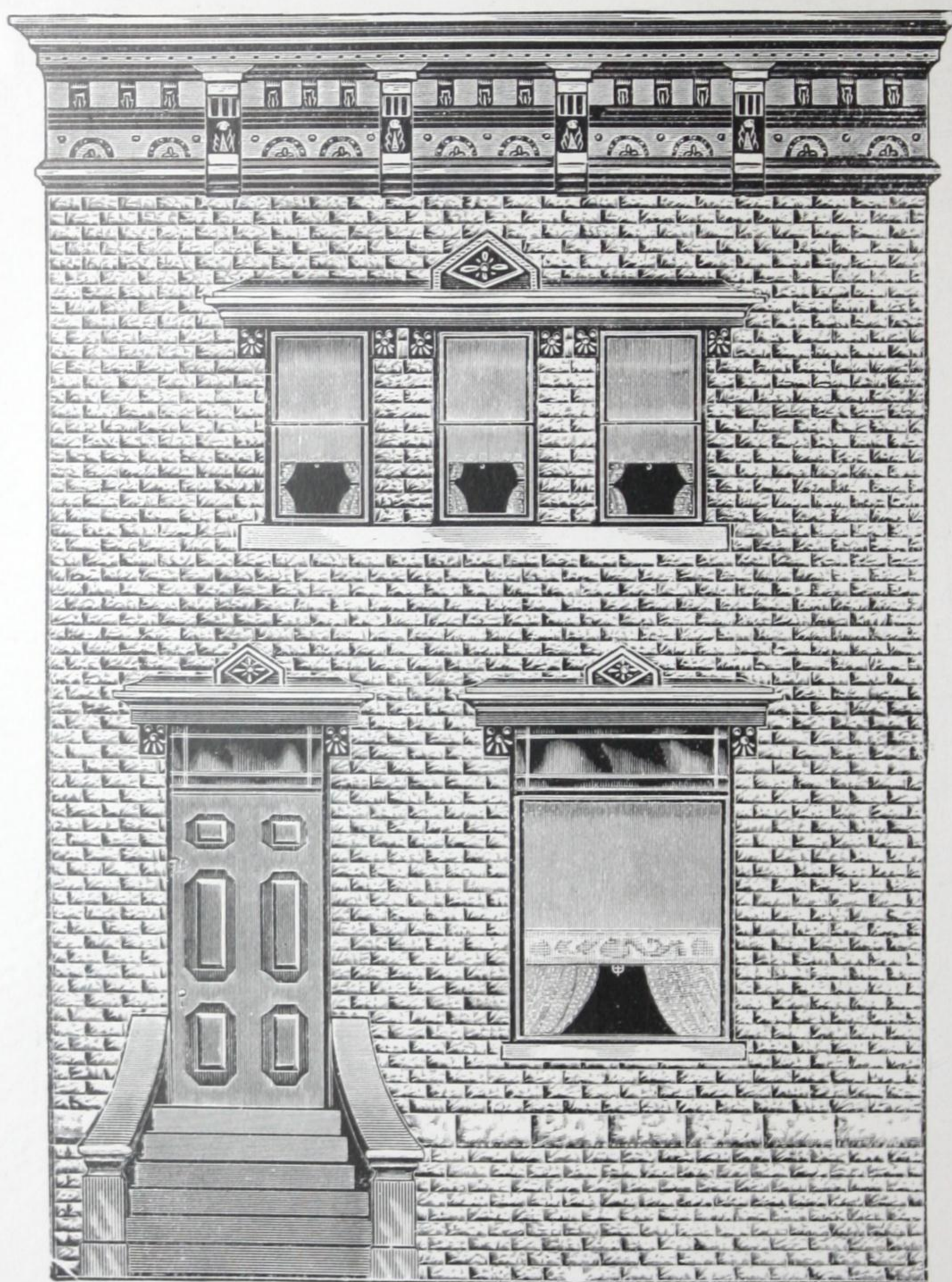
Size of Single Stone, 6 x 6 inches. Sheets, 60 x 24 inches.

### PRICE LIST.

	Sheet Steel, Painted.	Galvanized.
No. 3 Stone, per 100 square ft.-----	\$6.00	\$8.00
No. 4 Stone, per 100 square ft.-----	6.00	8.00

DISCOUNT-----Per Cent.

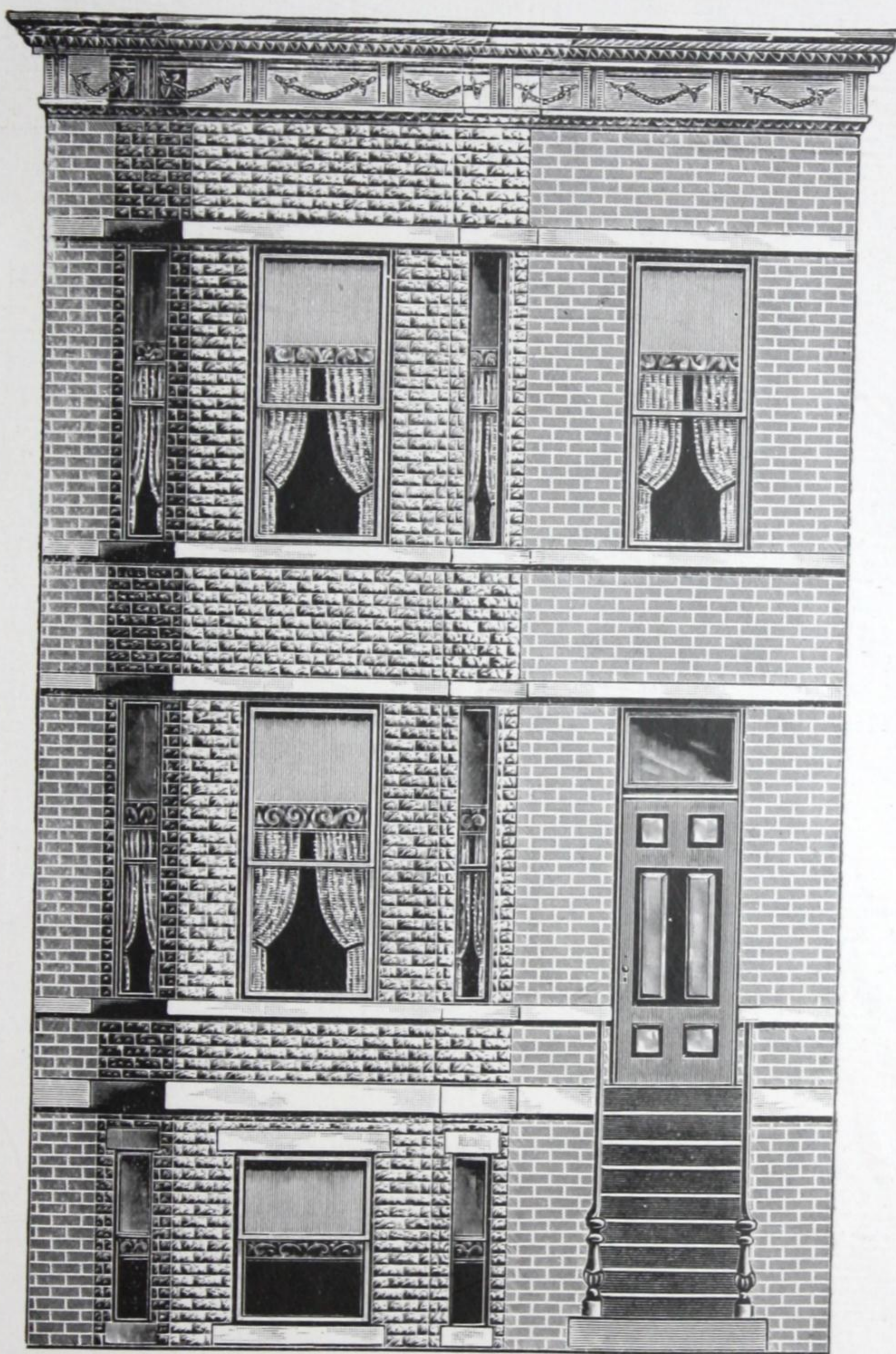




Copyrighted.

Shows frame structure sided with Berger's Patent Rock-Face Steel Brick and trimmed with No. 416 Cornice and No. 482 Window Caps.

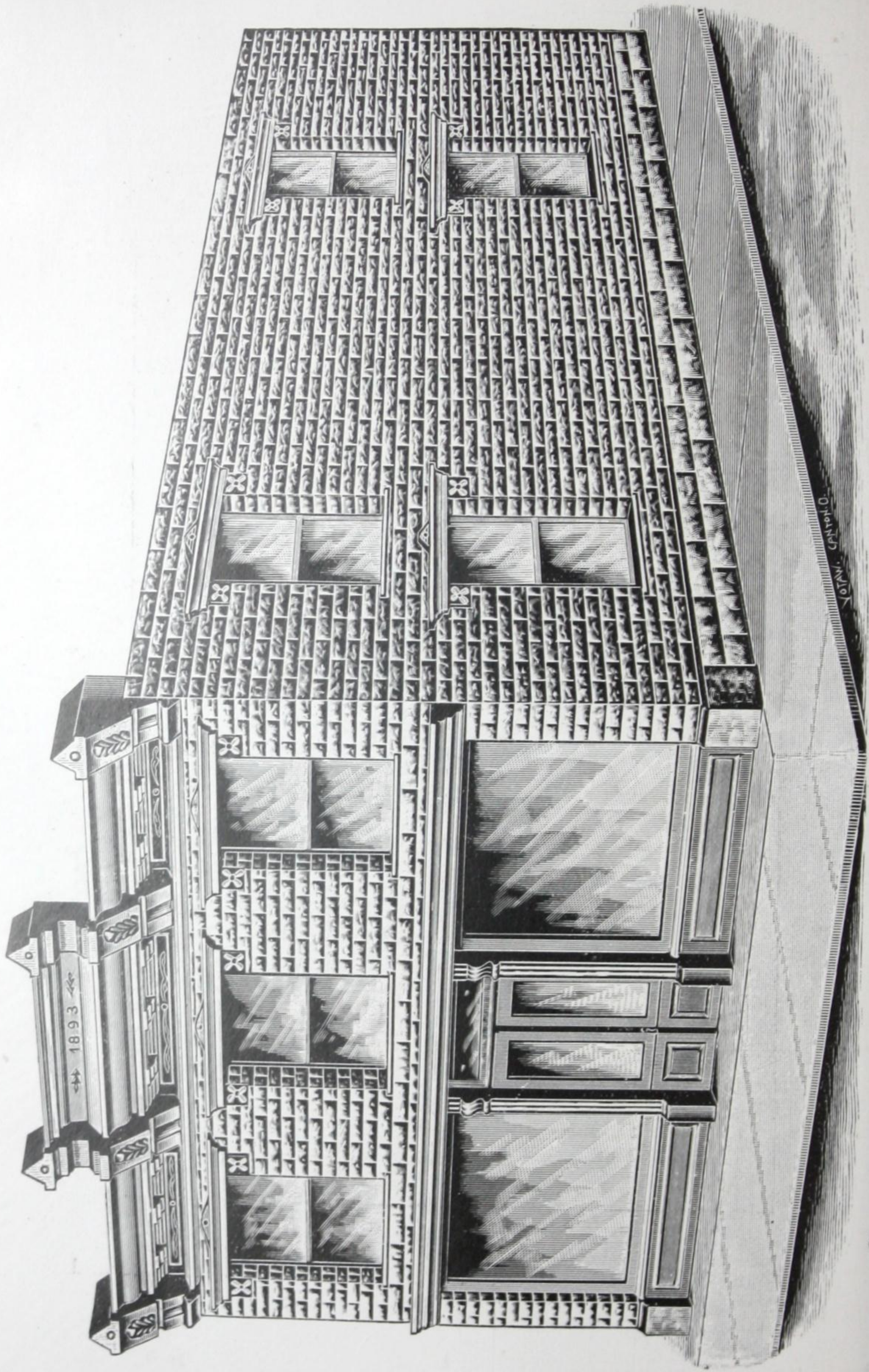




Copyrighted.

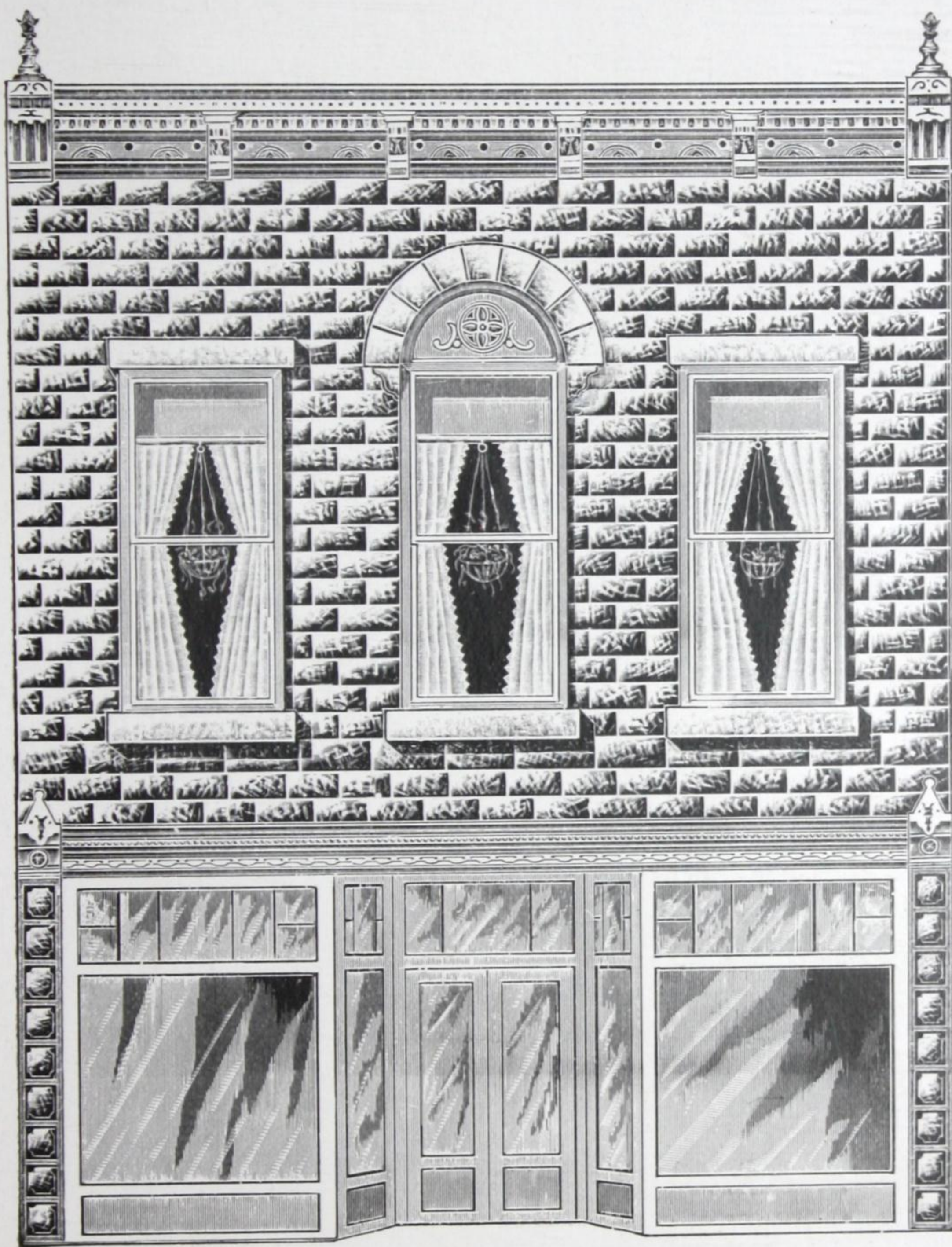
Shows frame structure sided with Berger's Patent Rock-Face and Plain Pressed Steel Brick and trimmed with No. 415 Cornice.





Shave frame structure sided with Rorer's Patent Rock-Face Stone and trimmed with No. 122 Cornice

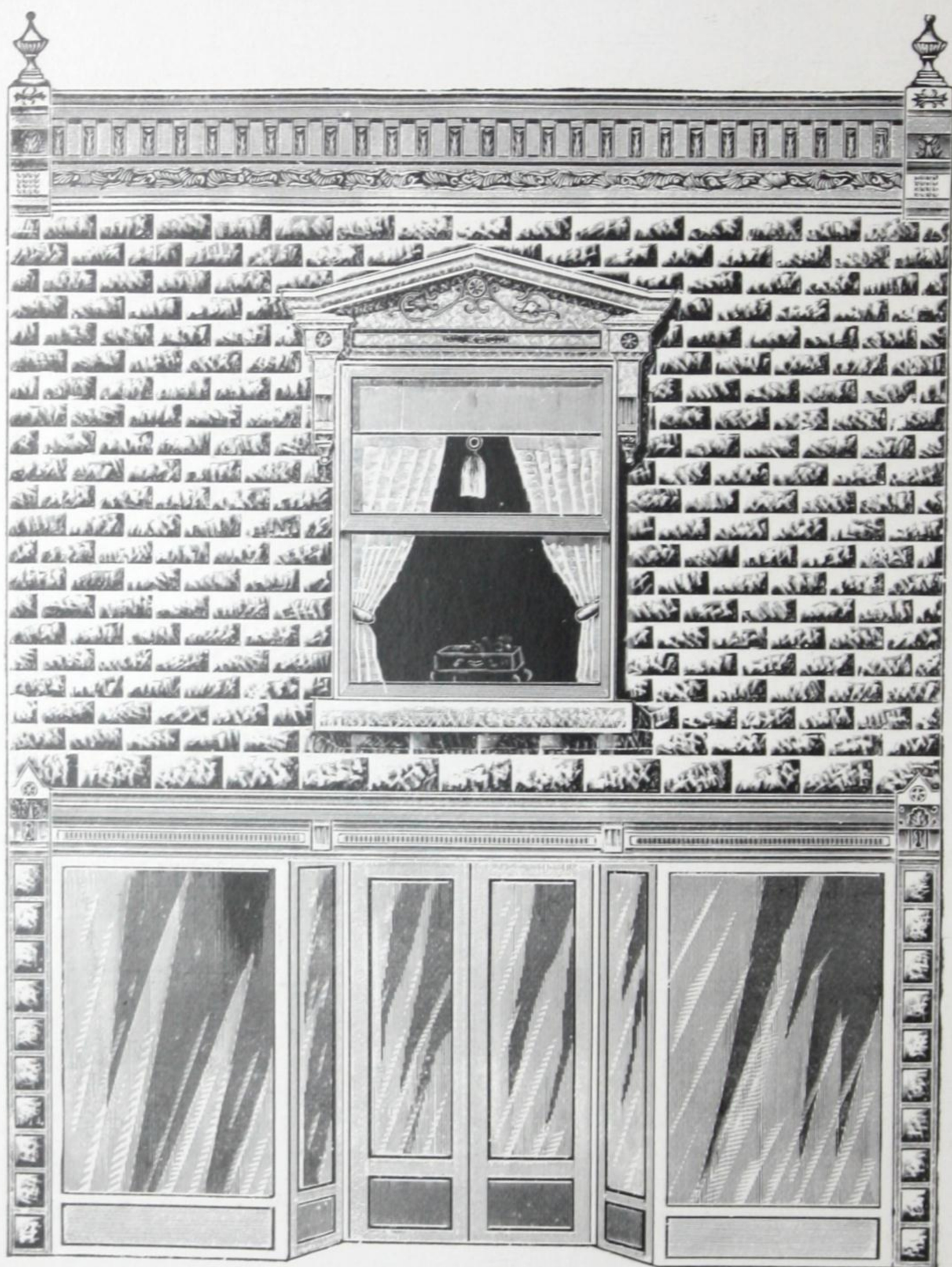




Copyrighted.

Shows frame structure sided with Patent Rock-Face Stone and trimmed with No. 416 Cornice, No. 10 Corner Stone and Rock-Face Window Caps and Sills.

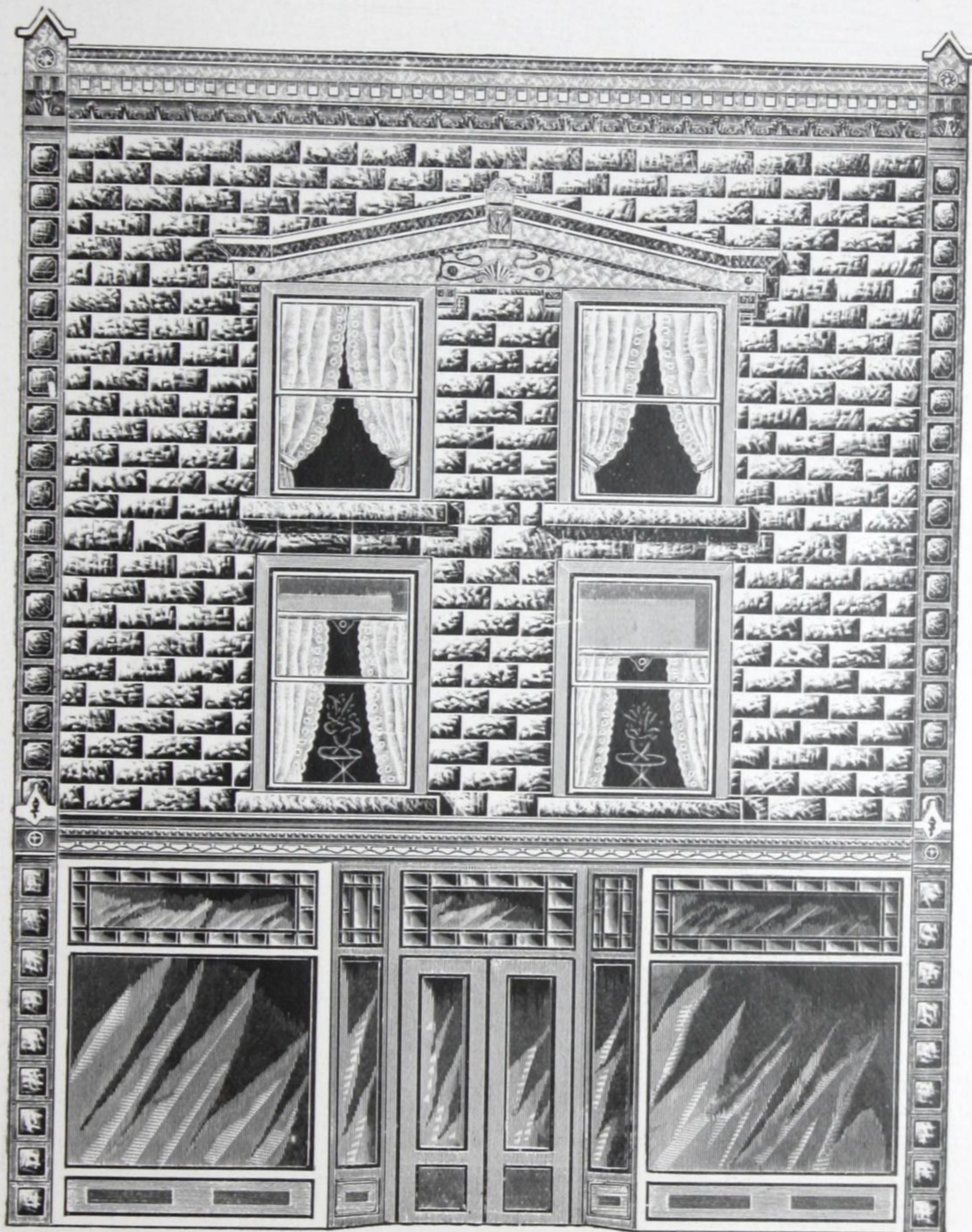




Copyrighted.

Shows frame structure sided with Patent Rock-Face Stone and trimmed with No. 414 Cornice, No. 497 Window Cap, No. 10 Corner Stone and Rock-Face Window Sills.

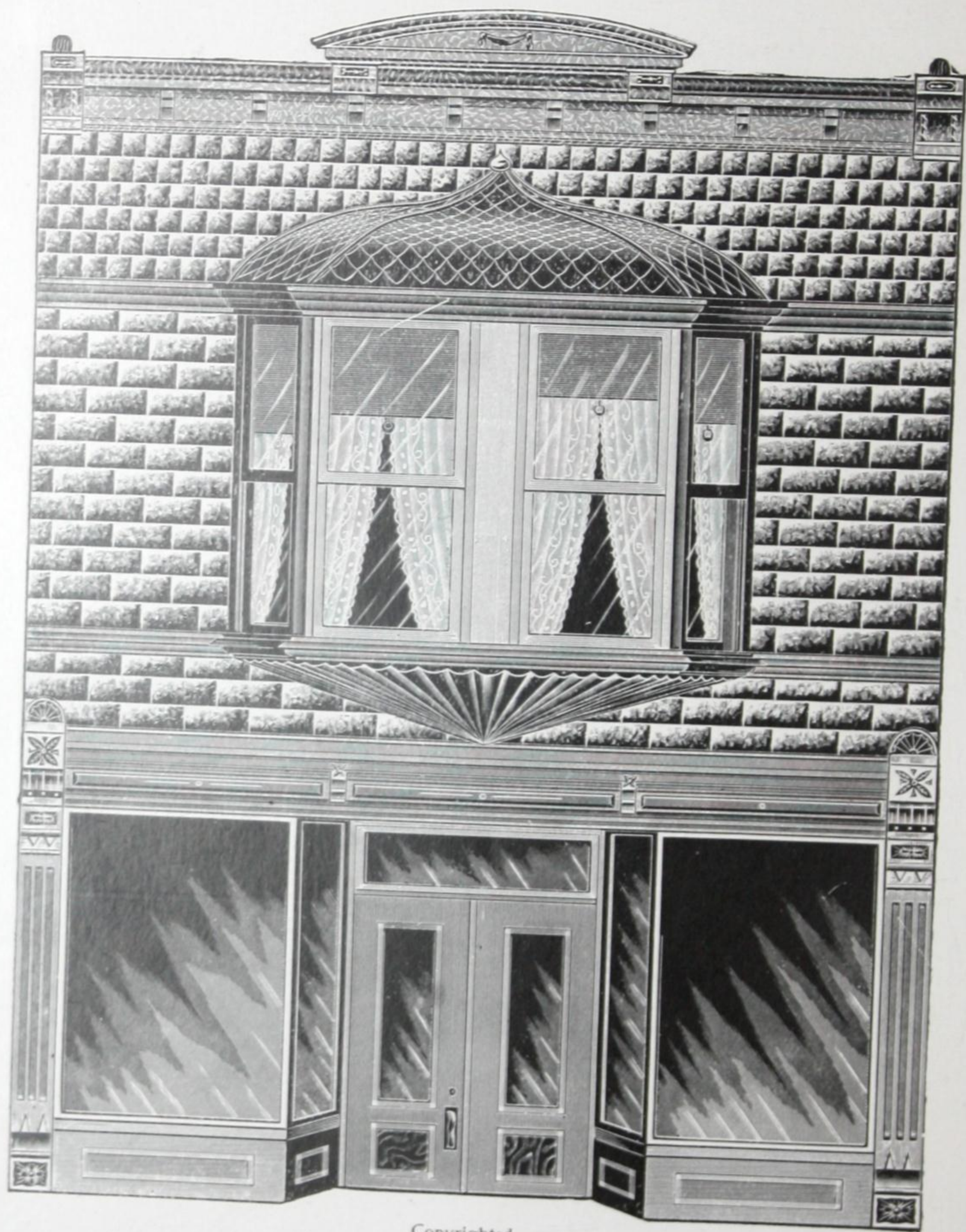




Copyrighted.

Shows frame structure sided with Patent Rock-Face Stone and trimmed with No. 414 Cornice, No. 491 Window Caps, No. 10 Corner Stone and Rock-Face Window Sills.

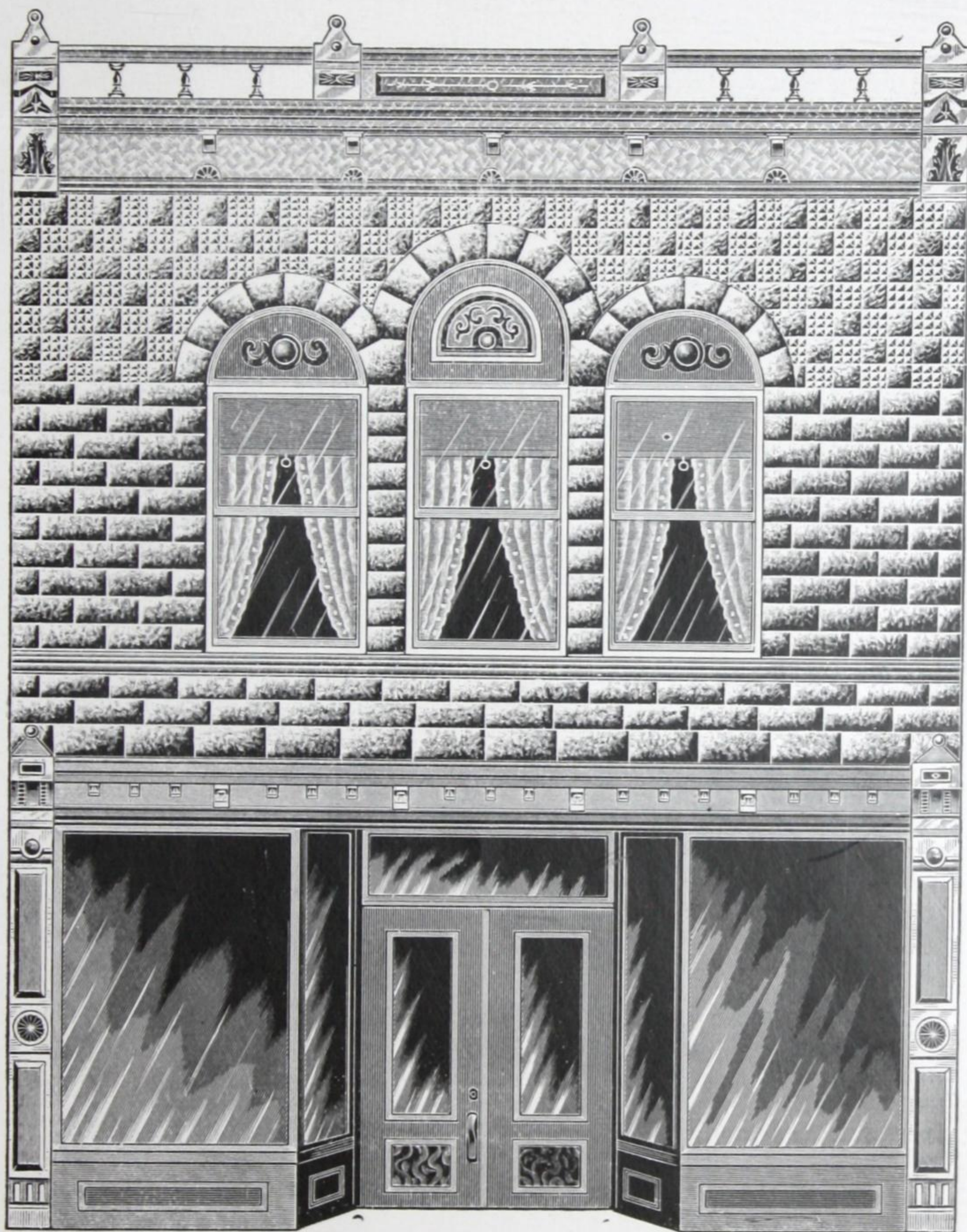




Copyrighted.

Shows frame structure sided with Patent Rock-Face Stone and trimmed with No. 420 Cornice and No. 3 Square Stone.



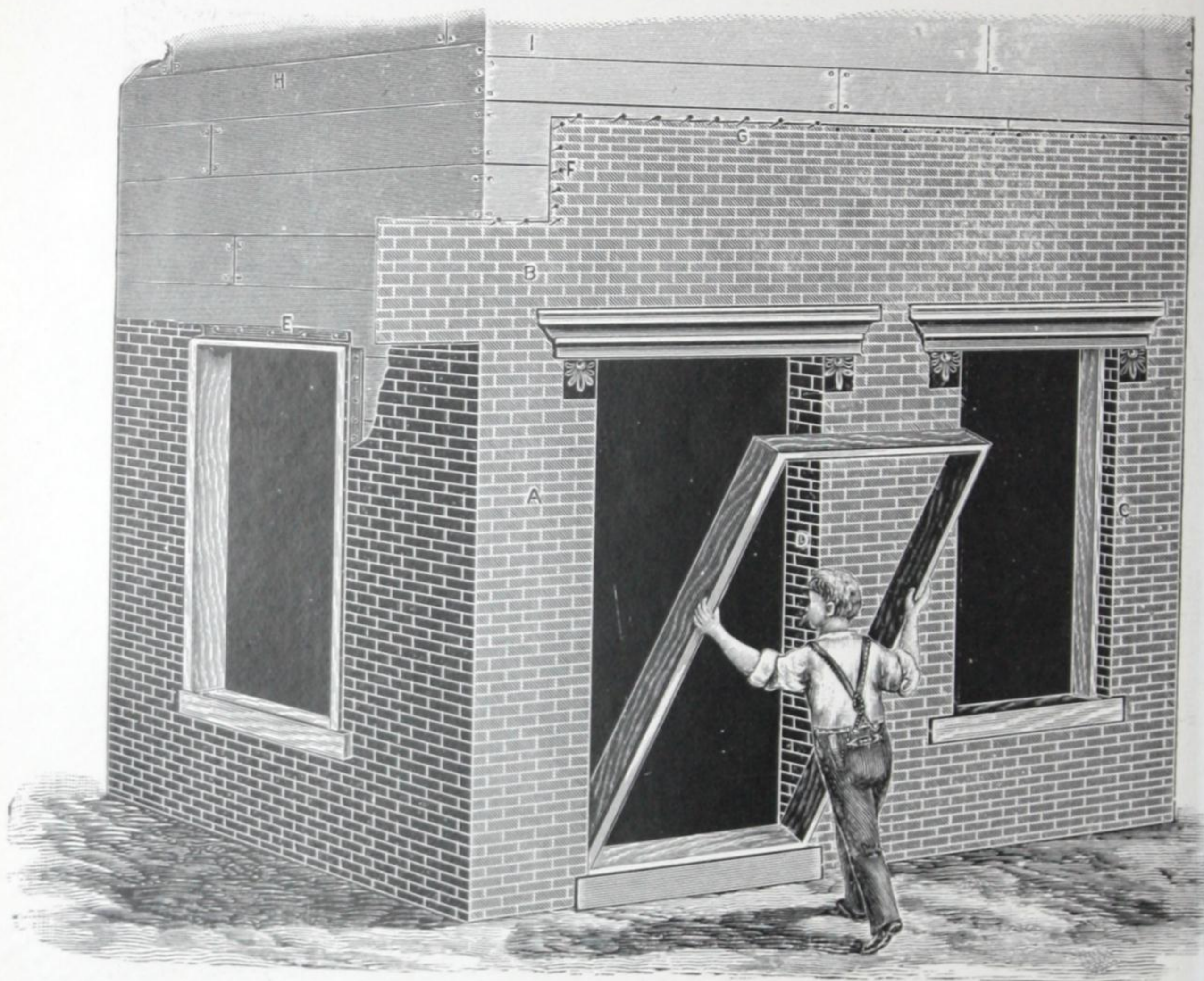


Copyrighted.

Shows frame structure sided with Rock-Face Stone and trimmed with No. 418 Cornice, Rock-Face Window Caps and No. 4 Square Stone.



## SHOWS PROCESS OF LAYING Pressed Steel Brick.



Copyrighted.

**A** shows corners finished with Steel Brick Plate. This is accomplished by letting plate project over corner 8 or 10 inches, even with perpendicular or mortar line as shown by sheet **B**.

**C** shows window with Galvanized Cap and opening finished by letting the plate project over opening  $2\frac{1}{2}$  inches and turning over on the inside, placing window frame in after finished.

**D** shows door with Galvanized Cap and opening finished, with plate turned and putting in door frame.

**E** shows window frame in, and projecting 1 inch beyond sheathing. When like this, use angle stock  $\frac{3}{4}$  by 1 inch to nail on first, then butt plates against the flange lip, and nail.

**F** and **G** show nailing flanges on sheets.



DIRECTIONS FOR

# Putting on Steel Brick Siding

## Over Wood Sheathing.

---

**1st.** With spirit level and chalk line get the level of your building entirely around its base or top and strike a line corresponding thereto.

**2nd.** Place a full sheet of siding at one corner of the building, allowing the end to extend two or more feet past the corner so that the cross grooves are immediately over the corner, the lower edge of the sheet resting on the chalk line.

**3rd.** Nail the sheet fast to the wall through the grooves sufficiently to hold it fast and to bring it down solid all the way along. Begin at the middle of the sheet to nail and work towards ends and sides, putting nails two or three bricks apart. Never nail through the brick.

**4th.** Bend the projecting two feet around the corner (if projects) with the hands or with a piece of board, using a mallet slightly to bring down any uneven places.

**5th.** Lay around the building until you meet the commencement. Place the first sheet of the second tier over the first so as to break joints perfectly as in brick work, letting the half groove at the bottom of the sheet lap over the first and fit closely in the half groove at the top of the first sheet.

**6th.** Window and door frames should not be put in until after the siding is on. But in case the frames are in, the Steel Siding may be applied and faced at doors and windows the same as for wood siding.

**7th.** At windows or doors cut the sheets about three inches above the bottom sill, and the same distance from the side; then cut from the corner thus formed obliquely to the corner of the window or door space, bend the steel with the hands down upon the window sill and around the side of the studding, and nail it fast. The window frames fit in over these laps and show a complete brick finish.

---

## Nails.

The best nails to use are  $\frac{3}{4}$  barbed roofing nails, or three-penny common wire nails, either of which may be readily driven through the grooves without the use of a punch. Always use a nail-set to drive nail home. It requires about  $\frac{3}{4}$  of a pound of these nails to a square of Siding. In case purchasers of our Siding cannot obtain suitable nails in their own towns, we will furnish them at a reasonable price.



# Mixed Paints.

## IRON OXIDE.

### MIXED READY FOR THE BRUSH.

Prepared Expressly for Metallic Roofs, Shingles, Siding and Bridges;

Barns, Sheds, Brick Walls, Railroad Buildings, Etc.



We make "Our Own" Paints ourselves, of pure BOILED LINSEED OIL and IRON OXIDE PAINT ground in oil, thoroughly mixed by machine, GUARANTEEING them the best that can be made, and not to crack, scale, blister or peel.

One gallon spreads a good coat over 400 to 500 square feet.

### PRICES.

COLORS—Red and Prince's Brown. In Impervious Wooden Tub with Bail.

One gallon kit, per gallon	-----	\$1.30
Two, three and four gallon kits, per gallon	-----	1.25
Five gallon kits, per gallon	-----	1.20
Ten gallon tubs, per gallon	-----	1.10
Twenty-five gallons, half barrel, per gallon	-----	1.00
Fifty gallons, barrel, per gallon	-----	.90

## GRAPHITE.

Dark Slate Color.

Is unaffected by Salt Air, Sulphur, Ammonia, Chemical Fumes, Alkali, or any solution known to chemistry, and has no equal for Metal Roofs, Iron Bridges, Smoke Stacks, etc. Graphite Paint is very light, one gallon spreading a good coat over 700 square feet.

### PRICES.

One gallon kit, per gallon	-----	\$1.60
Two, three and four gallon kits, per gallon	-----	1.55
Five gallon kits, per gallon	-----	1.50
Ten gallon tubs, per gallon	-----	1.40
Twenty-five gallons, half barrel, per gallon	-----	1.35
Fifty gallons, barrel, per gallon	-----	1.30

DISCOUNTS	{ Iron Oxide	-----	Per Cent.
	{ Graphite	-----	Per Cent.



## Paint Ground in Oil.

### PASTE FORM.

	GRAPHITE. Dark Slate Color.	IRON OXIDE. Red or Brown.
10 lbs.-----	\$0.15 per lb.-----	\$ .06 per lb.-----
25 lbs.-----	.14 per lb.-----	.05 $\frac{3}{4}$ per lb.-----
50 lbs.-----	.13 $\frac{1}{2}$ per lb.-----	.05 $\frac{1}{4}$ per lb.-----
100 lbs.-----	.13 per lb.-----	.05 per lb.-----
$\frac{1}{2}$ Barrels-----	.12 per lb.-----	.04 $\frac{1}{2}$ per lb.-----
Barrels-----	.12 per lb.-----	.04 $\frac{1}{4}$ per lb.-----

DISCOUNTS	Graphite-----	Per Cent.
	Iron Oxide-----	Per Cent.

## Dry Iron Ore Paint.

COLOR—Dark Red.



Used for Painting Metal Roofs, Factory, Farm and Railroad Buildings,  
Bridges and Iron Work of All Kinds.

### PRICES.

Kegs, 100 lbs., per lb. net-----	\$ .02
Barrels, 400 lbs., per lb. net-----	.01 $\frac{1}{2}$
Ton lots, per lb. net-----	.01

## Elastic Roof Cement.

GUARANTEED THE BEST IN THE MARKET.

For pointing up and preventing leaks in metallic roofs, around chimneys, copings, sky-lights, gutters, cupolas, dormer windows, slate, stone, brick and wood.

Iron, Tin, Shingle and Slate Roofs can be made absolutely and permanently water-tight by the use of our Elastic Roof Cement.

Is very adhesive, sticks to anything. **Will not Crack in Summer or Winter,** and easily applied with knife or trowel.

### PRICES.

6 $\frac{1}{2}$ lb. Box, net-----	\$ .50
12 $\frac{1}{2}$ lb. Box, net-----	1.00
25 lb. Box, net-----	1.75
50 lb. Box, net-----	3.00



# BERGER'S 2 and 3 Ply Prepared Roofing.

\* \* \* THE BEST, \* \* \*

Lightest and Strongest  
**COMPOSITION ROOF**  
IN USE.

Adapted to Either Flat or  
Steep Roofs.

\* \* \* \* \*



For a Cheap Roof this is the Best of the Kind.

This Roofing is prepared by cementing together two or three thicknesses of best Tarred Roofing Felt, and then pressed between heavy Calender Rolls, making a strong, thick fabric. After being thoroughly nailed with tin caps, this Roofing is covered with asbestos, or slate roofing cement, making a cheap, durable and lasting roof, both **Water and Fire-Proof**. This Roofing is adaptable for both flat and steep roofs, and not affected by gases or vapors from coal or steam.

Imperial Prepared Roofing is equal, if not superior, to any prepared Roofing in the market.



Fig. 50.

Shows our Imperial Prepared Roofing ready for shipment.



Fig. 51.

Shows formation of our Two-Ply Roofing; "a, a" being two layers of wool felt, and "b" a water-proof insoluble composition cementing them together.



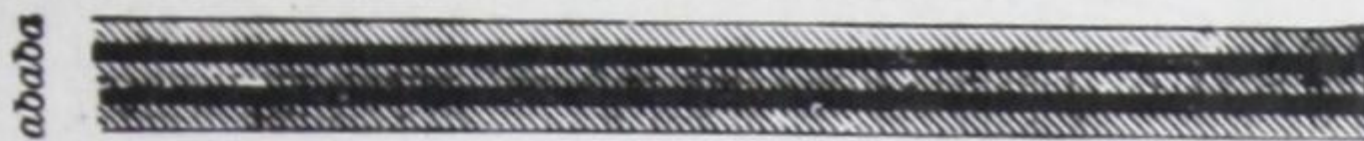


Fig. 52.

Shows the formation of our Three-Ply Roofing; "a, a, a" being three layers of wool felt, and "b, b" two layers of water-proof insoluble composition cementing them together.

**The Cost is Less than Shingles, and is Much More Easily and Quickly Applied.**

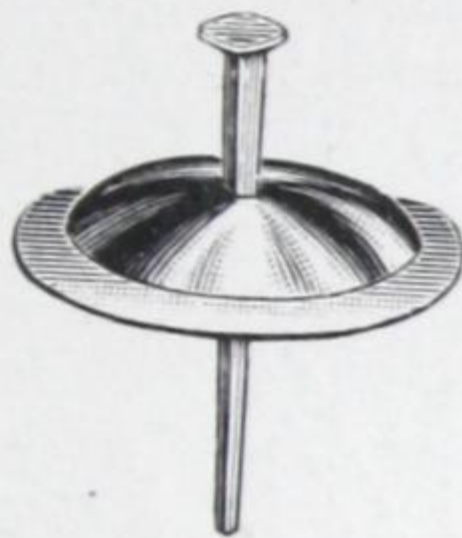


Fig. 53.

Shows Roofing Nail and Tin Washer used in fastening the Roofing.

### PRICE LIST.

A roll contains sufficient to cover 100 square feet and allow 2 inches for the lap.

#### Double Thick One-Ply Prepared Roofing.

One Roll of One-Ply Felt; 2 Gallons Asbestos Roof Coating;  $1\frac{1}{2}$  lbs. Tin Caps; 1 lb. Roofing Nails. Cost of 1 Square, Complete-----\$2.00

#### Imperial Two-Ply.

One Roll of Two-Ply Felt; 2 Gallons Asbestos Roof Coating;  $1\frac{1}{2}$  lbs. Tin Caps; 1 lb. Roofing Nails. Cost of 1 Square, Complete-----\$2.50

#### Imperial Three-Ply.

One Roll of Three-Ply Felt; 2 Gallons Asbestos Roof Coating;  $1\frac{1}{2}$  lbs. Tin Caps; 1 lb. Roofing Nails. Cost of 1 Square, Complete-----\$3.00

DISCOUNT-----Cents per Square.

## Roof Brushes.

2 Knot Brush, net-----\$1.25  
3 Knot Brush, net-----1.50

Before ordering any other Prepared Roofing try the IMPERIAL. It will suit you. Samples upon application.



# Roof Lining Papers.

We Keep in Stock Three Kinds---W. B. Water-Proof Sheathing Paper, Dry Red Rosin Sized and Tarred Slaters' Felt.

We recommend the use of Lining Paper under all roofs, whether Steel, Iron, Slate or Shingles, as it is non-conductor of heat and cold, and makes building cooler in summer, and warmer in winter. Also prevents condensation and dampness, and deadens sound.

## W. B. WATER-PROOF SHEATHING.

For Durability, Cost and Covering Capacity, is the Cheapest Water-Proof Paper in the Market.

Made from the best Manila stock and saturated with a Patent Water-Proof Compound. Is the best Water-Proof Sheathing made, and the only Sheathing that will stand when exposed to dampness. It can be used under Slate, Tin, Iron, Shingles, Floors and all kinds of Lining or Siding, and can be painted, white-washed or covered with other paper.

It can be used in all places instead of Tarred Felt; is much more durable, and clean and free from unpleasant odor.

Please notice that other Water-Proof Papers are merely sized, or coated on the *outside*, and that *every fibre* of this paper is thoroughly saturated with a Water-Proof Mixture.

In Rolls 36 Inches Wide, Containing 600 Square Feet.

Price, per Roll, net-----\$1.20

## RED ROSIN SIZED FELT,

Is a good article, well known to all builders, but not water-proof. Not expensive and always satisfactory.

In Rolls 36 Inches Wide, Containing 800 Square Feet.

Price, per Roll, net-----\$1.00

## TARRED FELT.

Recommended for Sheathing under Slate Roofing only.

In Rolls Containing 600 and 700 Square Feet.

Price, per Roll of 600 square feet, net-----\$ .90

Price, per Roll of 700 square feet, net-----1.00



# SINGLE Corrugated Iron Doors and Shutters.

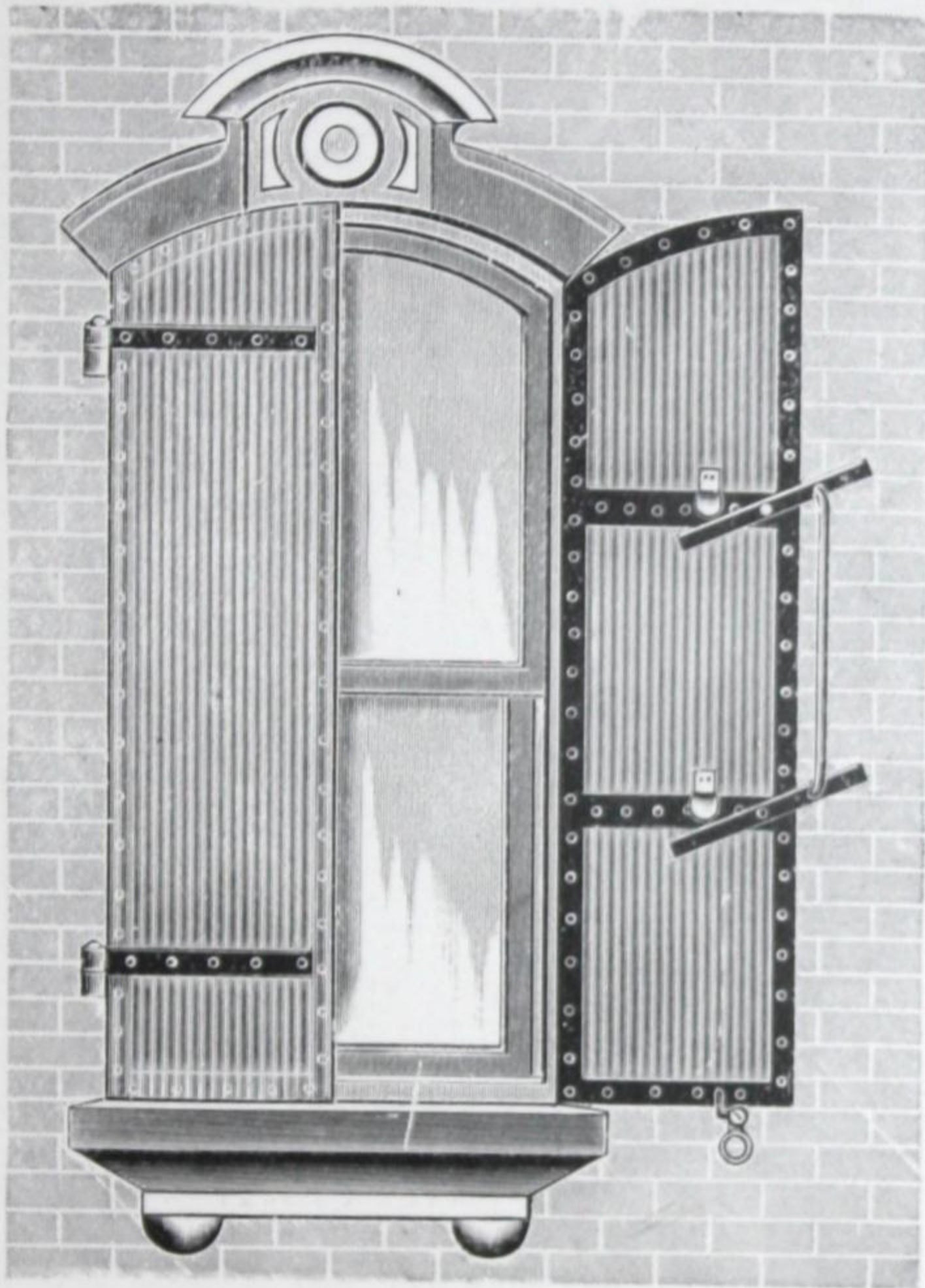



Fig. 54.

## CHEAP AND DURABLE.

Made of No. 18 or 20 Gauge Corrugated Iron, and stiffened with Angle Iron Frame.

We will quote special prices on Doors and Shutters, if parties wanting them will state size and number wanted.

When ordering, accurate specifications and dimensions must be furnished, as indicated by diagrams ; this is of great importance, both to the customer and to us.

 We can furnish Shutter Hinge Eyes for brick, stone or frame buildings.



## FIRE-PROOF Doors and Shutters.

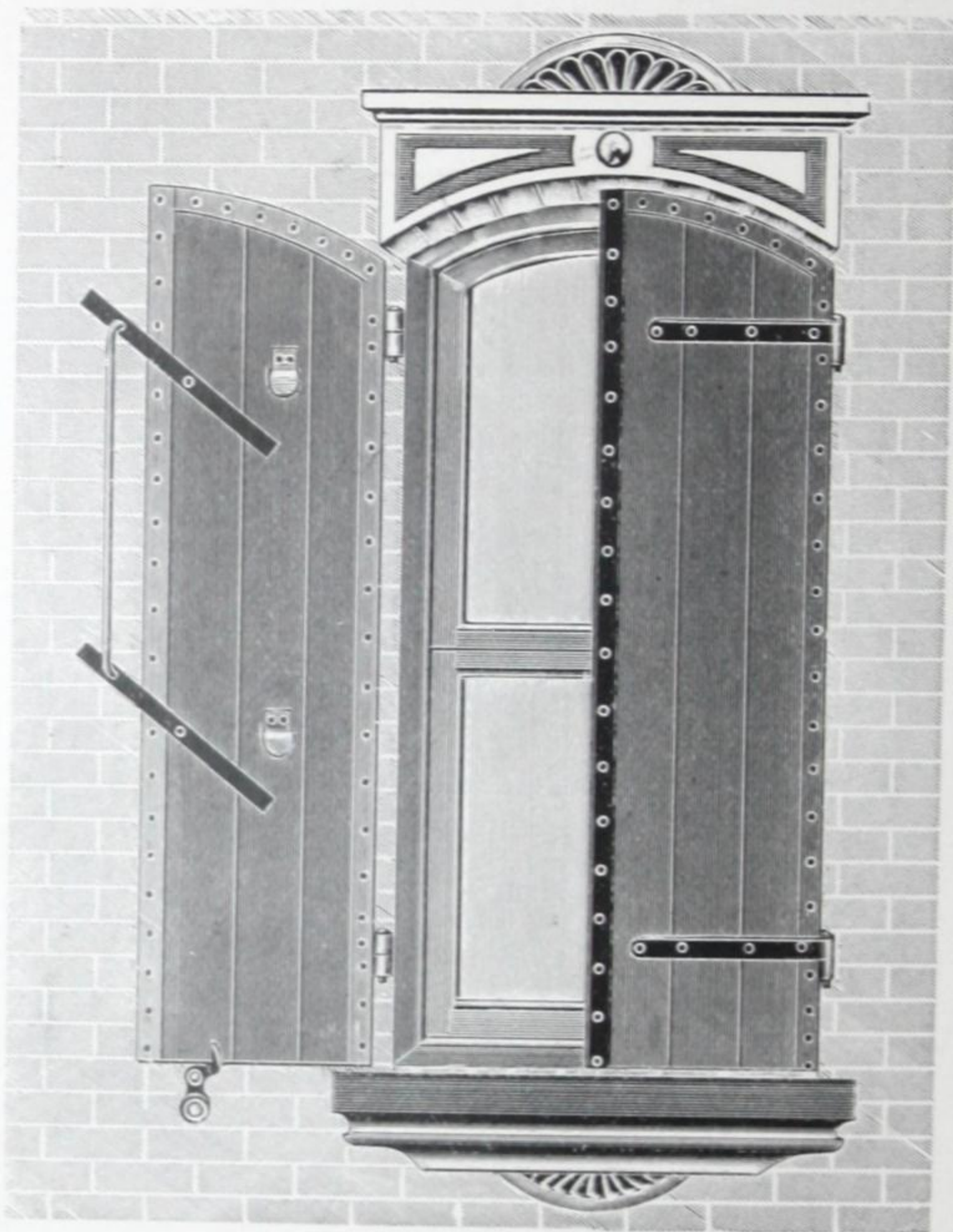


Fig. 55.

The body of these is made of two thicknesses of wood and covered each side with our Beaded Iron, which projects an inch at top and sides of shutter, and is riveted every three inches. The experience of the past few years has demonstrated to a certainty that Shutters and Doors constructed in this manner have stood the test of extreme heat much better than solid iron.

We will quote special prices on Doors and Shutters, if parties wanting them will state size and number wanted.



## FIRE-PROOF Doors and Shutters.

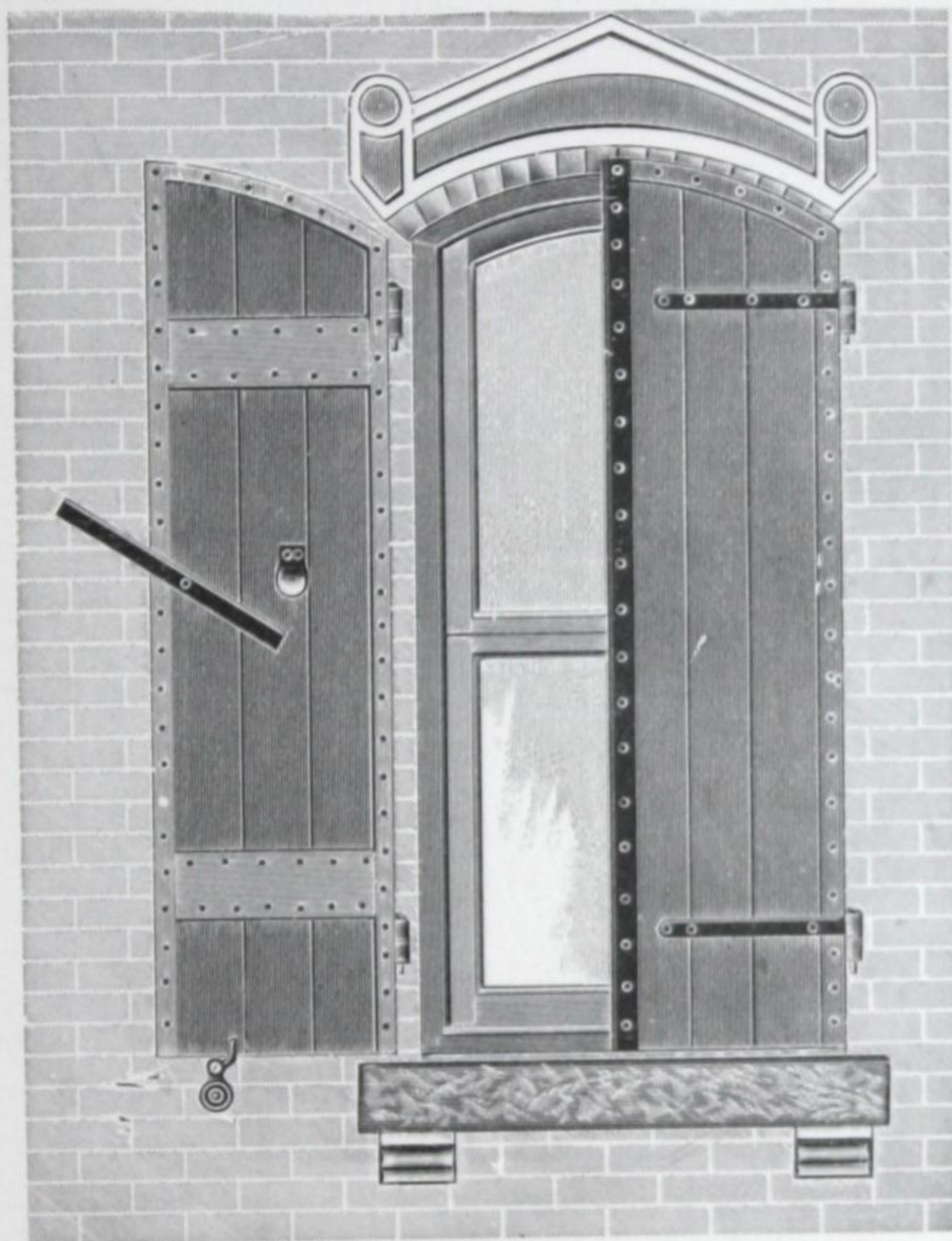


Fig. 56.

The body of these is made of one thickness of wood and covered each side with our Beaded Iron, which projects an inch at top and sides of shutter, and is riveted every three inches. We claim these to be equally as effective as the double thickness, Fig 55.

We will quote special prices on Doors and Shutters, if parties wanting them will state size and number wanted.

In ordering Shutters or Doors, give exact dimensions, as follows, or send for our measuring sketch :

1—Height of opening. 2—Width of opening. 3—From sill to top of lugs of lower shutter brick. 4—Between top of lugs of shutter brick, vertically. 5—From edge of openings to center of hole in lugs. 6—From face of wall to center of hole in lug. 7—Amount of rise in arch, if any. 8—Mention whether cap projects from wall. 9—State whether you wish shutters fitted into openings or otherwise, and if for wood or brick building.



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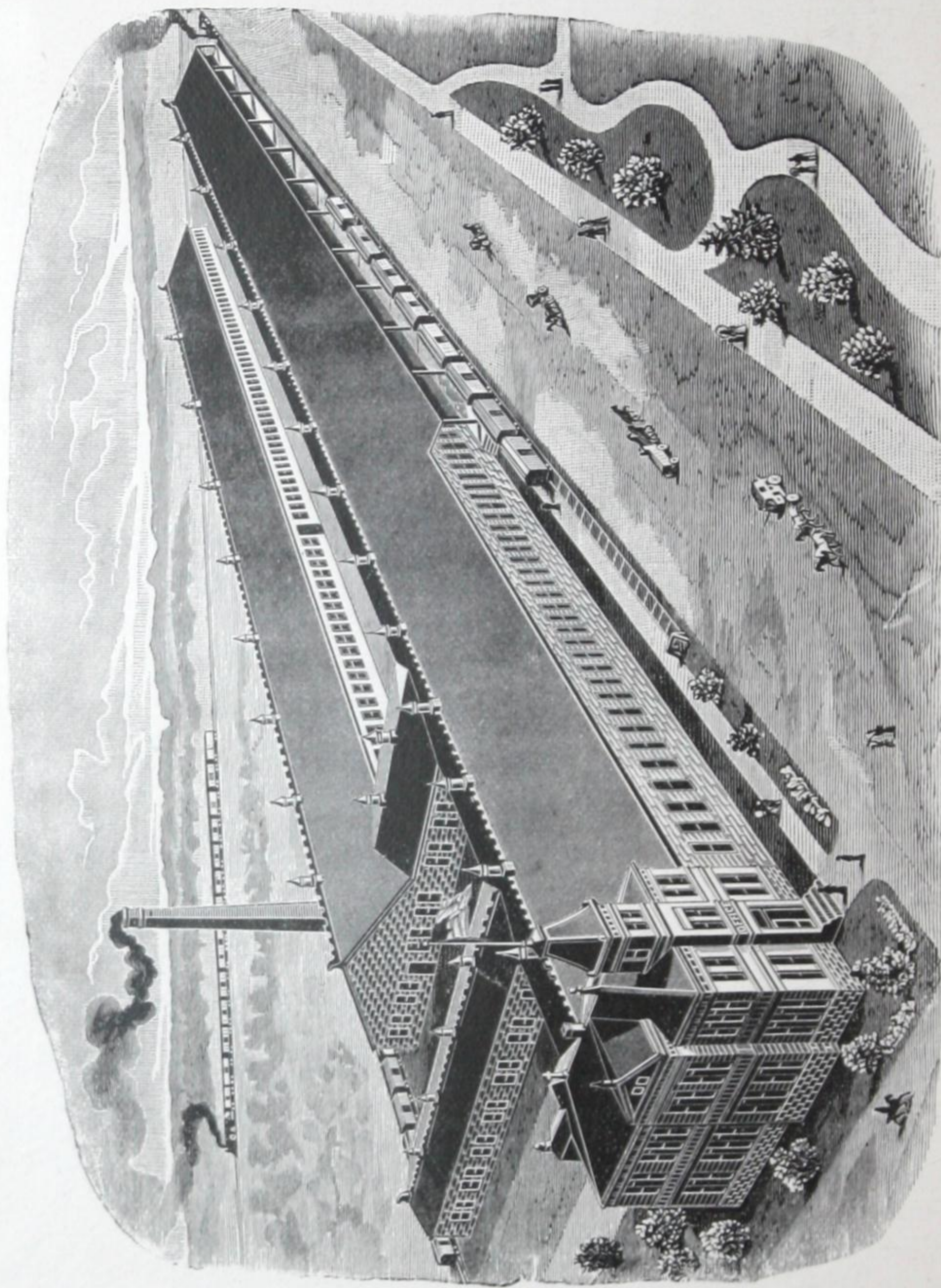
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